INFORMATION SHEET 3/8/2022 TRUSTEES' MEETING

ATTACHMENT: 7.6

TO: Jim Bridges, Superintendent

FOR: Board of Trustees

FROM: Nick Watson, IT Coordinator

ISSUE: Award of Category 2 E-rate RFP NO. 0790-22C.1

The District is currently participating in the Federal E-rate program to receive subsidized access for data connectivity under Category 1. E-Rate also offers a Category 2 program where we are eligible to receive one-time funding for network equipment in our existing data centers that are scheduled to be refreshed. The deadline to submit proposals was February 16, 2022 by 11:00AM. Five Proposals were received and reviewed for adherence to spec requirements, price, experience and quality of work.

Per the below chart, IT Managment Corp. was the lowest responsive bidder. The bid price of $36,239.81 will be offset by 50% from E-rate funding.

Service Provider	Score
IT Management Corp	100
CDWG	86
AMS.net	80
GigaKOM	70
ConvergeOne	60

Please see attached RFP document for details.

0790.22C.1
Network Electronics

Jefferson School District

February 16, 2022

IT MANAGEMENT CORPORATION

CSLB 944128 | www.ITMGMT.com

Executive Letter

For over the last two decades, IT Management Corporation, ITM has provided trusted solutions to government and educational institutions to accommodate the ever-changing world of technology in California. With evolution in cloud computing and mobility, ITM was established as the next generation IT solution provider. Our vision is to bring together a team of technology experts and engineers to plan and deploy renowned solutions and first-class technologies. This system ultimately enables us to meet clients' specific objectives and budget requirements.

ITM is committed to serving the public sector, and we have been making it easier for government institutions to take advantage of leading-edge technologies using purchasing vehicles, to save time and money.

ITM has been serving the technology needs of public sector and K-12 organizations since 2009. We specialize in delivering network assessment, planning and design, implementation, project management, documentation, voice and data consulting, convergence, training, and technical services for new projects as well as existing systems.

We are pleased to provide a comprehensive proposal for Jefferson School District.

Why Us…

With over 20 years of IT project management experience, Mr. Arman Eghbali, President of ITM, has had the privilege to work and support many school districts in Northern California. The company was established to service IT infrastructure projects for public sector organizations to get the most out of their investment. During these years, we have been keeping the following values to make us a better and stronger partner for our clients;

- ✓ Vendor Agnostic and Standard-based.
- ✓ Plan, Deploy, and Manage IT as we expect to be done for us.
- ✓ Provide comprehensive and complete documentation to customers to enable and empower them to take charge of their infrastructure.

Now, ITM has grown to nearly 5 offices, with HQ located in Silicon Valley, and with 35 employees in California. ITM's staff has been working with the E-Rate program for over 10 years, and we believe that we are well-positioned to be the right partner for Jefferson School District.

ITM has many years of successful experience in the E-Rate funding program, and we are intimately aware of the special needs of educational organizations and government offices and operations, including budgetary requirements, without the slightest allowance for compromise or shortcuts in the quality and reliability of our services and our support to customers.

With over two decades of advanced IT Services experience and over 900 clients in our portfolio, we have had the opportunity of working with many school districts in California, take on their technical challenges, and pass with flying colors.

Key Considerations for ITM's Service Approach

ITM is not a typical service provider—we consider ourselves a service partner. Our customer service, experience, demonstrated performance, innovation, and extensive suite of services are significant differentiators that distinguish us. Throughout our response we provide concrete examples of our excellent service history, capability to deliver the services requested, and evidence of successful, long- term partnerships with our customers. In your evaluation, we encourage you to consider the following unique benefits of ITM's solutions.

- ✓ **E-rate Experience and Expertise to Maximize E-rate Funding** – ITM is a top E-rate service provider in Northern California. As allowable, we assist with every step of the E-rate process, providing ongoing guidance, training, and support to maximize our customers' share of E-rate dollars while ensuring compliance with E-rate regulations for E-rate eligible products.

- ✓ **Personalized, Dedicated Account Service Throughout the Life of the Contract** – Every ITM customer is assigned a Customer Success Manager (CSM), who remains with the customer throughout the life of the ITM contract. The CSM builds a trusted relationship with you and your team by working to maintain an understanding of your specific goals and needs.

- ✓ **Exemplary Customer Care for 100% Customer Satisfaction** – ITM is solely accountable for the entire array of solutions we provide, and 100% satisfaction and delight with our products, services, and service delivery is our goal. We have a laser focus on exemplary customer care and do not consider a project complete until the customer is 100% satisfied.

- ✓ **Exceptional On-time Service Delivery for Confidence and Peace of Mind** – ITM has a demonstrated track record of meeting and exceeding installation schedules with our customers. Whether providing services to a few sites or several hundred, ITM has the personnel, processes, and procedures to deliver on our committed installation timeframes

Our Proposed Solution

We are proposing the exact part numbers requested in the RFP with a very aggressive discount. We have provided the pricing sheet as a quote attached to this proposal.

IT Management Corporation understands the rules and regulations involving E-rate and that award of contract is contingent upon funding.

Thank you for the opportunity to submit our proposal for your consideration. Please do not hesitate to contact me with any questions, changes, concerns, or alternatives you may be considering.

Regards,

Maryam Mohammadi
VP, Project Management & Operations
IT Management Corporation
Direct: (408) 837-7000
Fax: (408) 739-1101
Mobile: (408) 908-0027
maryam@itmgmt.com
IT-Management.com

Description of Firm

Company Profile

IT Management Corporation, ITM, is a C corporation in the State of California, an INC 5000 fastest growing company in 2018 and 2019.

We have been serving the technology needs of private businesses and the public sector since 2009. We specialize in providing network assessment, planning and design, implementation, project management, documentation, voice and data consulting, convergence, training, and technical services for new projects as well as existing systems.

ITM has organized its business to accommodate the individual funding, procurement, and specific technology needs of each of its clients. We make sure that we provide you with the service and support to meet the current and future technology requirements for your business. Our clients include a large number of K-12 educational institutions in Northern California.

ITM partners with most of the most recognized manufacturers in technology, including Ruckus, Cisco, CyberPower, HP, Aruba Networks, Meraki, Plantronics, Verkada, IP Video and more (see a more complete listing at it-management.com/partners/). We make sure to provide the service and support to meet current and future technology requirements for each organization and business we serve. Our staff includes highly skilled, certified engineering and project management individuals, experienced and seasoned business professionals, all of whom are focused on solutions for our customers. ITM's on-call support staff is 100% US based.

Company Information

Company Name: IT Management Corporation

Office: 408-837-7000
24X7 NOC: 408-739-1000
Fax :408-739-1101

Website: www.it-management.com
Email: SLED@itmgmt.com
Years in Business: Since May 2009

Headquarters:

a. 5201 Great America Parkway Suite 320 Santa Clara CA 95054

Locations:

b. 4340 Stevens Creek Blvd. Suite 225 San Jose CA 95129
c. 980 9th St 16th Floor, Sacramento, CA 95814
d. 100 Clocktower Place, Suite 120, Carmel, CA 93923
e. 18653 Ventura Blvd. Suite 107 Tarzana, CA 91356

- ✓ **California Certified Small Business Supplier Number:** 1797174
- ✓ **FCC Federal Registration (FRN):** 0022321260
- ✓ **E-Rate SPIN:** 143033893
- ✓ **499A Filer ID:** 830054
- ✓ **Tax Identification:** 26-4508448
- ✓ **California PUC CPCN Utility Number:** 1319 & 7303
- ✓ **DUN & Bradstreet:** 078804864
- ✓ **California State License Board C7 License Number:** 944128
- ✓ **DIR, California Public Work Contractor Registration Number:** 1000005491
- ✓ **State of California Entity Number:** C3212045 – issued May 2009

ITM's Wireless and Wired Networking Experience

ITM is a Cisco Premier Partner, Ruckus Elite Partner, and Aruba Silver Partner. For the last six years, we have been deploying Enterprise Wireless to our K-12 customers which has resulted into approximately 35%- 45% of our annual revenue.

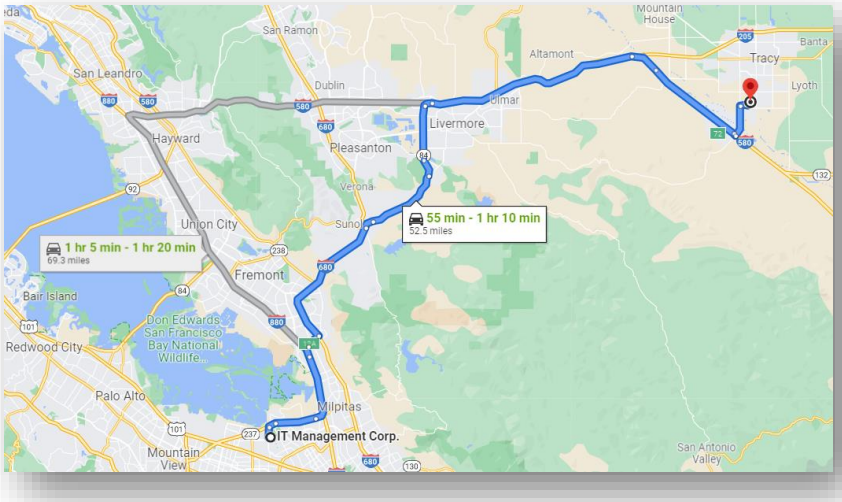
ITM has an in-depth knowledge of campus networking, wireless infrastructure, and physical layer connectivity. We have been working with many school districts in deploying wireless and wired network projects. To name a few;

i. Alum Rock Union Elementary School District - (1,200) Cisco WiFi
ii. Berryessa Union School District – Mix of Meraki and Ruckus WiFi
iii. Castro Valley Unified School District – (650) Ruckus WiFi & (222) Network Switches
iv. Cupertino Union School District – (450) Meraki WiFi & (400) Ruckus Switches
v. Denair Unified School District – (200) Aerohive WiFi
vi. Dixon Unified School District - (130) Ruckus WiFi & (41) Network Switches
vii. Evergreen Elementary School District – (548) Ruckus WiFi & (180) Network Switches
viii. Franklin McKinley School District – (650) Ruckus WiFi & (60) Network Switches
ix. Hayward Unified School District – (1,100) Ruckus WiFi & (400) Network Switches
x. Morgan Hill Unified School District - (741) Meraki WiFi & (87) Network Switches
xi. Mount Pleasant Elementary School District – (270) Mist WiFi (90) Ruckus Network Switches
xii. Oak Grove School District – (650) Ruckus WiFi
xiii. Pleasanton Unified School District – (1,050) Ruckus WiFi & (185) Ruckus Network Switches
xiv. San Mateo Foster City School District - (800) Aruba WiFi & (400) Ruckus Network Switches
xv. South San Francisco Unified School District – (500) Aruba WiFi & (300) Ruckus Network Switches
xvi. Visions in Education - (135) Meraki WiFi & (12) Network Switches

We have also invested heavily on certification training and wireless networking test equipment such as Ekahau Site Survey with Connect Pack, NetAlly EtherScope™ nXG Eter scope along with Spectrum Analyzer.

IT Management is among the few Private LTE (CBRS) Certified Installers nationwide which demonstrates our expertise and involvement with 2.5, 3.5, and 5 GiG frequencies.

With 5 offices in California, (Redding, Sacramento, San Jose, Santa Clara, and Tarzana) you are close to any of our operation facilities.



Capacity and Methodology

A highly skilled and experienced IT MGMT project manager will be assigned and dedicated to managing each IT MGMT Professional Services engagement. The project manager is directly accountable to the IT MGMT Senior Director of Service Delivery for a successful project execution.

IT MGMT project managers have provided oversight and management for the deployment of hundreds of complex network service implementations. Their attention to detail and meticulous follow-up ensures on-time delivery and a smooth transition to steady state operations. Because IT MGMT project managers work extensively on various technology implementation projects for schools, institutions, and libraries throughout the nation, they are familiar with your expectations for seamless technology delivery.

The process for receiving IT MGMT Professional Services begins with a formal project kick-off meeting led by the IT MGMT project manager. During this meeting, several of the following important activities occur:

- ✓ Identify project team members, roles, and responsibilities
- ✓ Review the overall requirements for the Professional Services engagement and verify all necessary components
- ✓ Validate the list of sites in scope, including physical address, site contacts, access hours, and any unique requirements or restrictions
- ✓ Request key information to support detailed project planning
    - a) If available, building layouts of in scope locations and telecommunications closets
    - b) Guidelines for site visits, badging requirements, and protocol for activity coordination with the sites
    - c) If applicable, standards for hardware shipments, delivery and storage
    - d) Critical milestone dates and deliverables
- ✓ Define overall project communications strategy and protocol
    - a) Determine frequency, content, participants, and status update format
- ✓ Discuss requirements for change management policy and practice
- ✓ Agree upon escalation criteria and procedures
- ✓ Identify key test and validation criteria for all aspects of the solution
- ✓ Agree upon definition of successful project completion

As a result of the requirements gathering and clarification, and decisions reached during the kick-off meeting, the IT MGMT project manager finalizes and baselines the initial project plan.

Customer Service Commitment

Customer Service is leveled at an utmost priority at IT Management Corporation.

Our goal is to help you better understand the role of technology in your organization and how to plan for, integrate, and manage your environment to best fit your needs – and we strive to do this by providing a full cycle of services to our customers as we believe that every one of our clients deserve to expect and receive exemplary service. We want to make sure that we meet, and go beyond, your expectations every time you work with us.

IT Management Corporation's Customer Commitment shown below is organized around our approach to the full customer experience, focused on continually growing our relationship with our clients.

We Plan

- Recognizing your unique organization processes, users, and information systems to establish a high level of continuity and familiarity of your requirements
- Adapting ourselves to be more flexible, agile, and collaborative to make is easier for you to do business with us through digital and personal interactions
- Explaining and making sure you see the value of the recommended solutions
- Consistently providing competitive and transparent pricing so you always know what is and what is not included
- Providing opportunities for product demos to assess the suitability of different solutions

We Deploy

- Striving for a product quality and consistent fulfillment of all orders
- Proactively communicating project and order updates, inquiries, and information
- Responsive and always available to our customers before, during, and after deployments
- Offering professional services, installations, and the right trainings needed to equip you to get the most out of your technology investment

We Manage

- Reducing your operational costs by helping you measure, administrate, prioritize, and validate your IT process to ensure alignment with your objectives
- Ensuring that our hands-off documents clearly define your networks' physical and logical layouts, and providing inventory tracking that allows you to easily illustrate your network
- Assigning an individual Account Engineer to work closely on your needs, and to enable our business to be in the best position to assist and suggest future additions

Knowledge base of Technical Staff and Awards

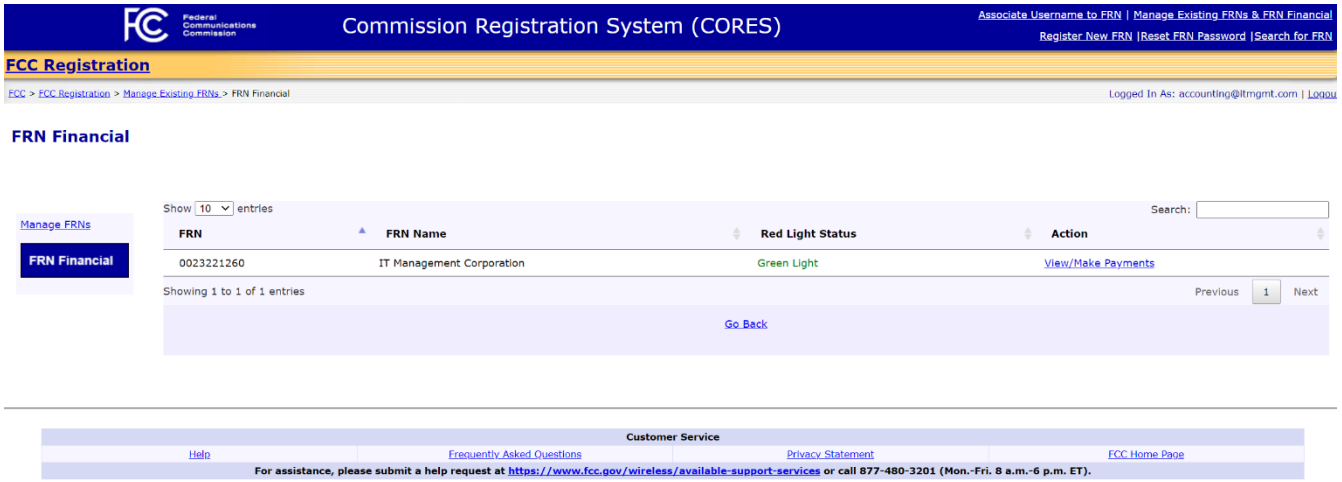
At IT Management, we are highly committed to education as technology continues to evolve and change. As a professional services provider, we believe that we need to stay up to date with the latest technology and trends since our clients look up to us to accommodate their needs, help them with their challenges, and provide them with technology roadmaps. We are a vendor agnostic firm, and our staff have many different trainings.

To name a few;

i. Ruckus Elite Partner
ii. Cisco Advanced Collaboration Architecture Specialization
iii. Cisco Advanced SP Architecture Specialization
iv. Cisco Express Networking Specialization
v. Cisco Express Specialization
vi. Cisco Premier Partner
vii. Aruba/HPE Silver Partner
viii. Microsoft Gold
ix. Panduit Silver Partner

We are proud to be recognized by the following publications for our commitment to our staff, technology, and business growth.

ITM E-rate Expertise



ITM has extensive knowledge and experience with all parts of the E-rate process. In addition to our own internal team of E-rate specialists and former K-12 Chief Technology officer to be able to assist and guide through the complex E-rate process. This team keeps ITM on the cutting edge of E-rate knowledge and policy changes.

ITM's E-rate knowledge and experience includes detailed knowledge of eligible service issues and complexities as well as CIPA/filtering requirements. We understand our role in providing guidance, while simultaneously respecting the rules governing acceptable service provider/applicant interactions. Our support services include:

- ✓ Educating and alerting customers of deadlines, rule changes, and current issues
- ✓ Reinforcing compliance on all E-rate program rules
- ✓ Working with customers during the Form 471 process to ensure adequate filing amounts are included to cover E-rate eligible services
- ✓ Preparation of Form 471 Item 21 Attachment information describing IT MGMT's specific services
- ✓ Aiding customers in responding to Program Integrity Assurance (PIA) questions
- ✓ Assistance with Form 486 (start of service)
- ✓ Filing appeals/actions to gain funding

ITM has significant experience in billing K-12 education and library E-rate participants and will be responsible for all service billing as required. A large portion of our success with the E-rate program is attributed to our internal processes and organizational structure which allows ITM to provide dedicated account management. Copies of all invoices sent to USAC are maintained and provided upon request.

Upon approval of E-rate funding, ITM works with you to select your E-rate billing method, either Service Provider Invoice (SPI) or Billed Entity Applicant Reimbursement (BEAR). This choice of methodology has proven successful to make reviewing invoices a much more efficient process for our customers.

01 – PROPOSAL FORM

PROJECT: **0790-22C.1 JEFFERSON SCHOOL DISTRICT NETWORK ELECTRONICS**
OWNER: **JEFFERSON SCHOOL DISTRICT**

Pursuant to Request For Proposal (RFP) and related documents, **the undersigned bidder**, having familiarized himself/herself with the terms of the contract, the local conditions affecting the performance of the contract, the cost of the work at the location where the work will be performed, and the Contract Documents, **proposes and agrees to perform**, within the time stipulated, including all of its component parts, and everything required to be performed, and to provide and furnish any and all of the labor, materials, tools, expendable equipment, and all applicable taxes, utility and transportation services necessary to perform the contract and complete in a workmanlike manner all of the work required in connection with **0790-22C.1 –Jefferson School District Network Electronics** all in strict conformity with the Specifications, and other Contract Documents, including Addendum No.'s _____, _____, _____, _____, _____, _____, _____. Copies of Addenda are obtainable from the Owner's Representative (Infinity Communications and Consulting, Inc.).

BASE BID – Jefferson School District Network Electronics
The Bidder agrees to perform all work noted above, as described in the RFP and Project Documents for the lump sum of:

Thirty-six thousand, Two hundred and thirty-nine DOLLARS Eighty-one CENTS ($ 36,239.81)
(Amount Shall Be Shown in Both Words and Figures. In Case of a Discrepancy, The Amount Shown In Words Will Govern).

Bidder shall breakout the above Base Bid cost by Site for E-Rate Program funding allocation purposes:

Project will be awarded based on the evaluation criteria set forth herein. Price will be evaluated based on the sum total of the Base Bid, Basic Maintenance, and all Additive Alternates.

The bidder agrees that upon receipt of Owner's "**Notice to Proceed**", he/she will provide all required documents within **ten (10) calendar days** after the documents are presented for execution.

The bidder has carefully examined the RFP documents and specifications for this project that were prepared and furnished by the OWNER and acknowledges their sufficiency.

It is understood and agreed that the work under the contract shall be commenced by the bidder, if awarded the contract, on the date to be stated in the OWNER'S **Notice to Proceed**.

NAME OF BIDDER:
FULL NAME OF ALL PARTNERS OR LEGAL NAME OF CORPORATION: IT Management Corporation
(TYPE OR PRINT)

AUTHORIZED CONTACT / BID PREPARER / SALES REPRESENTATIVE: Arman Eghbali

BUSINESS ADDRESS: 5201 Great America Parkway, Suite 320, Santa Clara CA 95054
(TYPE OR PRINT)

TELEPHONE: (408) 837-7000 EMAIL: SLED@itmgmt.com

BY: (SIGNATURE IN INK) Arman Eghbali, President
(TYPE OR PRINT NAME OF TITLE AND SIGNATURE)

"I declare, under penalty of perjury, that the information provided, and representations made in this bid are true and current and that this declaration was executed on February 16, 2022 (date) at Santa Clara, California."

PRESIDENT OF CORPORATION: (SIGNATURE IN INK) 2/16/2022
DATE

Arman Eghbali, President
(TYPE OR PRINT NAME AND TITLE OF SIGNATURE)

SECRETARY OF CORPORATION: M. Mohammadi (SIGNATURE IN INK) 2/16/2022
DATE

Maryam Mohammadi, VP of Operations and Project Management
(TYPE OR PRINT NAME AND TITLE OF SIGNATURE)

CALIFORNIA STATE CONTRACTOR'S LICENSE NO.: 944128 FEDERAL I.D. NO: 26-4508448

LICENSE EXPIRATION DATE: 03/31/2024

TYPE OF LICENSE: C7

PUBLIC WORKS CONTRACTOR'S REGISTRATION NO: 1000005491

LICENSE IN THE NAME OF: IT Management Corporation
(TYPE OR PRINT NAME)

CORPORATE SEAL:
(IF APPLICABLE)

IT Management Corp.
5201 Great America PKWY., SUT 320
Santa Clara, CA 95054
www.ITMGMT.com

04 – SUBSTITUTION LISTING

PROJECT: 0790-22C.1 JEFFERSON SCHOOL DISTRICT NETWORK ELECTRONICS

TO: **Jefferson School District ("OWNER")**

1. Pursuant to bidding and contract requirements for the work titled:
   Project: 0790-22C.1 JEFFERSON SCHOOL DISTRICT NETWORK ELECTRONICS

The contract sum, proposed by the undersigned on the Proposal Form, is for the work as described in the Request for Proposal, and otherwise defined in the Contract Documents. However, the undersigned proposes the following substitutions, which were not Pre-Approved prior to the bid date, for the Owner's consideration. All substitutions must be listed on this form and submitted with the bid or they will not be reviewed.

2. Complete, attaching additional sheets as necessary:

   Bidder proposes [check one]: __X__ no substitutions.
   _____ the following substitutions:

Specified Product or Material	Proposed Substitution

3. All bids should be calculated and submitted on the assumption that substitution requests will not be approved.

4. Bidder hereby certifies that the requested substitutions are equal or better in all respects to what is specified, unless otherwise noted. Bidder will supply all documentation to support this claim as attachments to the Substitution Listing with their bid. Failure to provide adequate documentation may result in the disqualification of the bid response.

SIGNATURE MUST BE IDENTICAL TO THAT PROVIDED ON BID FORM

BIDDER: IT Management Corporation

BY: _____
Arman Eghbali, President

06 – NONCOLLUSION AFFIDAVIT

PROJECT: **0790-22C.1 JEFFERSON SCHOOL DISTRICT NETWORK ELECTRONICS**
OWNER: **JEFFERSON SCHOOL DISTRICT**

(Public Contract Code Section 7106)

State of California)
) s
s
County Of _____)
_____)

_____, being first duly sworn, deposes and says that he or she is _____ of _____, the party making the foregoing bid, that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Maryam Ali Mohammadi maryamali
(SIGNATURE OF BIDDER)

NOTARY FOR NONCOLLUSION AFFIDAVIT

Subscribed and sworn to (or affirmed) before me this day _____, 20 _____.

_____
(SIGNATURE OF NOTARY)

[SEAL OF NOTARY]

_____
(TYPED NAME OF NOTARY)

See Attached
(Ack / Jurat)
02/10/22

JURAT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Santa Clara

Subscribed and sworn to (or affirmed) before me on
this 16th day of February, 2022,
by Maryam Alimohammadi

proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.

Signature

(Seal)

SHILPA DHIR PANDEY
COMM. # 2297835
NOTARY PUBLIC • CALIFORNIA
SANTA CLARA COUNTY
MY COMM. EXP. AUGUST 16, 2023

UPSS7

09 – BIDDER'S QUALIFICATION FORM

PROJECT: **0790-22C.1 JEFFERSON SCHOOL DISTRICT NETWORK ELECTRONICS**
OWNER: **JEFFERSON SCHOOL DISTRICT**

The prospective Bidder shall furnish all the following information accurately and completely. Failure to comply with this requirement fully and completely may result in rejection of any bid submitted. Additional sheets may be attached if necessary. "You" or "your" as used in this questionnaire refers to the Bidder's firm and any of its owners, officers, directors, shareholders, parties, or principals. Owner has discretion to request additional information depending on the project.

1. **Firm name and address:** IT Management Corporation
   5201 Great America Parkway, Suite 320
   Santa Clara, CA 95054

2. **Telephone:** 408 837 7000

3. **Type of firm:** (check one) Individual ____ Partnership ____ Corp. X

4. Names and titles of all principals of the firm:

Arman Eghbali	President
Maryam Mohammadi	VP, Project Management and Operations

5. **Number of years as contractor.** Include only years in this type of construction and only the years with the current entity in its current form: 10 Years

6. Years of experience your firm has in public school construction work:

   As prime contractor: 10 As subcontractor: 10

7. **In the last five years has your firm or any of its principals defaulted so as to cause a loss to a surety?** Response must include information pertaining to principals' associations outside of the firm bidding this Project. If the answer is yes, give date, name, and address of surety and details.

   No.

8. **In the last five years have you or any of your principals been assessed liquidated damages for any project?** Response must include information pertaining to principals' associations outside of the firm bidding this Project. If yes, explain:

   No.

9. In the last five years have you or any of your principals been in litigation or arbitration or a dispute of any kind on a question or questions relating to a public construction project and/or an E-Rate project? Response must include information pertaining to principals' association outside of the firm bidding this Project. If yes, provide name of public agency and details of the dispute. Attach additional pages, as necessary.

No.

10. **In the last five years have you or any of your principals ever failed to complete a project?** Response must include information pertaining to principals' association outside of the firm bidding this Project. If yes, provide owner's name and details. Attach additional pages, as necessary.

No.

11. **Experience**

a. Provide the total number of the specified Systems that you have installed (not using subcontractors) in the last 3 years. (The winning Contractor will be responsible to provide a complete list of reference to confirm this number if asked)

100 +

b. 11b. Provide the number of the specified Systems that you have installed (not using subcontractors) in the Education K-12 Market in the last 3 years. (The winning Contractor will be responsible to provide a complete list of reference to confirm this number if asked)

100 +

12. **Service**

a. Provide the Address of the Service Facility that will be responsible for service calls for this project:

Address	IT Management Corp. Engineering Department
	4340 Stevens Creek Blvd. Suite 225
City	San Jose
State	CA
Zip	95129

b. Provide the number of Manufacture Certified Technicians that who are employed by you, which are responsible for service call-ins. (The winning Contractor will be responsible to provide copies of the Manufacture Certificates to confirm this number if asked)

3

c. 12c. Provide the hourly charge that you will charge the Owner for Non-Warranty service calls. Price will include **all** fees including but not limited to travel charges and hourly minimum charges.

NA

13. **Additional Features**

a. Provide any additional information that you deem as pertinent to this project that will reflect an ROI (Return On Investment) for the specified system that you are proposing to install.

Unlike other bidders, we are not only a C7 contractor, but a true system integrator, so we understand the Information Technology Infrastructure - from physical layer to application layer.

We are providing the exact same partners proposed in the RFP.

b. Provide any additional information that you deem as pertinent to this project that demonstrates additional functions and features of the specified system that you are proposing to install.

NA

14. **List of References:** Provide information on the three largest E-Rate projects your company has completed in the last five years that comes closest to matching the scope of this RFP. If Contractor has not completed an E-Rate project, provide the largest three "Educational Market" projects your company has completed in the last five years. Contractor may include additional documentation.

Please see next page.

IT Management Corporation E-rate Experience

Reference #1

Project Name: CUSD Wiring Upgrade in Six Sites / RFP 20-B04-24
Location: 1309 S. Mary Ave, Suite #150, Sunnyvale, CA 94087
Owner: Cupertino Union School District
Owner Contact: Mahmoud Abed, Director of Technology Services
Phone Number: (408) 252-3000
Description of the Project: Demoing existing CAT5 / CAT5e, installing new CAT6A data cabling, new Intermediate Distribution Frame (IDF) and new Main Distribution Frame (MDF) cabinets, new 12 strand single-mode fiber throughout its 6 campuses.
Total Value of Project: $702,053.48
Completion Date: Summer 2022

CUPERTINO UNION SCHOOL DISTRICT

Reference #2

Project Name: Wireless Network Infrastructure Upgrade
Location: 3188 Quimby Road, San Jose, San Jose, CA 95148
Owner: Evergreen School District
Owner Contact: Sameh Sweilem, Director of Information Technology
Phone Number: (408) 270-6850
Description of the Project: Procurement, Installation, and configuration of (180) Ruckus switches and (548) Ruckus access points to replace the existing HPE/Aruba and Ruckus equipment in 18 sites
Total Value of Project: $1,031,818.12
Completion Date: Summer 2022

Evergreen School District

Reference #3

Project Name: Wireless Network Infrastructure Upgrade
Location: 15600 Concord Circle, Morgan Hill, CA 95037
Owner: Morgan Hill Unified School District
Owner Contact: Amy Venegas, Construction Project Supervisor
Phone Number: (408) 340-3865
Description of the Project: Procurement, Installation, and configuration of (87) Meraki switches and (741) Meraki access points for 13 sites
Total Value of Project: $833,184.75
Completion Date: December 2021

Morgan Hill UNIFIED SCHOOL DISTRICT

Reference #4

Project Name: Internal Connections / RFP NO. EY20-WIFI2020
Location: 180 South First Street, Dixon, CA 95620
Owner: Dixon Unified School District
Owner Contact: Marc Monachello, Technology Director
Phone Number: (707)693-6300 ext 8080
Description of the Project: Procurement, Installation, and configuration of (130) Ruckus switches and (39) Ruckus access points to replace their existing Cisco / Ruckus district wide
Total Value of Project: $270,929.29
Completion Date: September 2021

Reference #5

Project Name: Network and Wireless / RFP 20-107 & RFP 20-107
Location: 5030 El Camino Ave., Carmichael, CA 95608
Owner: Visions in Education
Owner Contact: Uriel Gonzalez, Director of Technology Services
Phone Number: (916) 883-1825
Description of the Project: Procurement, Installation, and configuration of (12) Meraki Switches and (135) Meraki Access Points
Total Value of Project: $ 237,870.44
Completion Date: May 2020

Some of our recent E-rate clients

ALAMEDA COUNTY OFFICE OF EDUCATION
L. Karen Monroe, Superintendent

Alum Rock Union School District

BERRYESSA UNION SCHOOL DISTRICT
Pathway to the Future

Berkeley PUBLIC SCHOOLS
Berkeley Unified School District

CUPERTINO UNION SCHOOL DISTRICT

CVUSD

DENAIR UNIFIED SCHOOL DISTRICT
COMMUNITY Est. 1902 COMMITMENT EXCELLENCE

DIXON UNIFIED SCHOOL DISTRICT

Evergreen Union School District

Evergreen School District

Franklin-McKinley School District
PREPARING ALL CHILDREN AS GLOBAL LEARNERS

GOLDEN PLAINS UNIFIED SCHOOL DISTRICT
Whatever it takes...Our kids are worth it

HAYWARD UNIFIED SCHOOL DISTRICT

HOLLISTER SCHOOL DISTRICT
FOUNDED 1872

Morgan Hill UNIFIED SCHOOL DISTRICT

Oak Grove SCHOOL DISTRICT

MOUNT PLEASANT ELEMENTARY SCHOOL DISTRICT

MetroED

ORINDA UNION SCHOOL DISTRICT

Pleasanton Unified School District
Achievement
Partnerships
Communication

VISIONS IN EDUCATION

Additional project experience references and testimonials

Reference #1

Project Name: VoIP District-Wide Implementation
Location: 4210 Technology Drive, Fremont, CA 94538
Owner: Fremont Unified School District
Owner Contact: Phone Number: Lucus Bogle, Chief Technology Officer
Phone Number: (510) 537-3000
Description of the Project: Upgrading the Classroom Intercom & VOIP System throughout the District with an emphasis on a unified platform providing: Unified Communication, Mass Notification/Public Address, Emergency Response, Mobile Response, IP Telephony, Instant Messaging. For this upgrade, about 3,500 Advanced Network Devices Speakers/Clocks and horns along with 3,000 Cisco IP phones will be installed.
Total Value of Project: $5,199,559.13
Completion Date: January 2021

Reference #2

Project Name: Network Electronics
Location: 1170 Chess Drive Foster City, CA 94404
Owner: San Mateo Foster City School District
Owner Contact: Peter Cazanis, IT Director
Phone Number: (650) 312-7700
Description of the Project: District Wide Network Electronics replacement to provide adequate bandwidth for an upcoming 1:1 deployment of student/staff devices along with providing sufficient growth through upgradable components, SDN Controlling and flexible wireless access. Over (400) new Brocade ICX switches were installed to replace their existing Enterasys switches with 10 Gbs connectivity. Over (800) Aruba Wireless Access Points and over (150) Tripp Lite UPSs have been installed district wide. The conversion has been done during school time with no network outage.
Total Value of Project: $4,610, 403.58
Completion Date: December 2018

Reference #3

Project Name: Server Storage IP Intercom VoIP Upgrade
Location: 1170 Chess Drive Foster City, CA 94404
Owner: San Mateo Foster City School District
Owner Contact: Peter Cazanis, IT Director
Phone Number: (650) 312-7700
Description of the Project: To provide, install, and program Servers, Server Storage, UCC Upgrade, Emergency Responder, Informacast Software, Advanced Network Devices Clock Speakers and Paging Gateways
Total Value of Project: $ 2,099,781.01
Completion Date: December 2018

Reference #4

Project Name: District-Wide LAN Switch Upgrade / E-rate
Location: 24411 Amador Street, Hayward, CA 94544
Owner: Hayward Unified School District
Owner Contact: Saleem Mahmood, Network Manager
Phone Number: (510) 754-2600 ext. 72815
Description of the Project: Procurement, installation, and configuration of (400) Ruckus Switches along with (1,100) Ruckus Access Points district-wide, in 35 sites,
Total Value of Project: 2,066,287.89
Completion Date: April 2016

Reference #5

Project Name: Network and Wireless Upgrade / RFP 001 / E-rate
Location: 4400 Alma Avenue, Castro Valley, CA 94546
Owner: Castro Valley Unified School District
Owner Contact: Phone Number: Greg Ko, Director of Technology
Phone Number: (510) 537-3000
Description of the Project: Procurement, Installation, and configuration of (650) Ruckus switches and (222) Ruckus access points
Total Value of Project: $1,032,537.69
Completion Date: September 2021

Reference #6

Project Name: Internal Connections / E-rate
Location: 2930 Gay Ave, San Jose, CA 95127
Owner: Alum Rock Union School District
Owner Contact: Brett Littrell, Chief Technology Officer
Phone Number: (408) 928- 6910
Description of the Project: Procurement and installation of (1,200) Cisco access points, the controllers, and (55) Tripplite UPSs, along with the cabling for 25 sites,
Total Value of Project: $ 1,033,033.27
Completion Date: December 2019

What some of our clients say about us!

At IT Management, we are so grateful for our clients that help us to achieve our goals and earn the credibility that set us apart in the marketplace. Below are a few testimonials from some of the districts in California. Some of the recommendation letters are in the following pages.

- *"IT Management worked collaboratively with us, despite a leadership transition in the IT department during the key initial phases of the project. The project was completed at budget, with minimal amount of change orders; most of which were the result of surprises in our conduit and existing infrastructure that necessitated additional work that was initially undefined in our project."* ***Business Department/ Pleasanton USD***

- *"We are pleased with everything IT MGMT delivered! We brought on ITMGMT to consult on our core IT projects. They provided us with recommendations and accurate estimates. The professional undertaking in the smooth transition of our VOIP/ SIP trunking and Wireless upgrade project shows that ITMGMT's leadership keeps in touch with what's happening on the ground. ITMGMT's staff are sharp, professional, THOROUGH and good people. I hold the utmost confidence in their capability."* ***Technology Department / Alum Rock ESD***

- *"IT Management's team pays attention to minute details and customize every solution. In IT Management, we found an honest, direct, and no-frills solution provider and they have been one of the first solution providers we reach out to when we have any needs or questions."* ***Technology Department / Oak Grove SD***

- *"I have found IT Management's team to be very professional and competent. I've been very impressed with their internal processes and systems for managing projects. They open their internal systems to the client so that you are kept informed and involved throughout the entire process."* ***Technology Department / Berryessa USD***

- *"IT Management Corporation is a valued business partner with a proven track record and a focus on providing educational institutions with clear and concise recommendations to resolve and enhance their technology needs within budgetary constraints. ITM strength is in effectively plan and implement IT projects within the timeline and budget."* ***Technology Department / Cupertino USD***

- *"IT Management's team worked around our school schedule to perform the network hardware installation when it would least impact our users. They efficiently deployed and tested the new equipment and continued to follow up on our project, in the weeks following the project's completion."* ***Technology Department / Denair USD***

- *"It is a real pleasure working with IT Management and I consider them an extension of my IT department. They take the time to know each of our school sites and I trust them for advice when we need to make major changes in our networking environment. I have worked with many companies in the past, and IT Management stands out from the rest."* ***Technology Department / Orinda USD***

- *"I am very impressed with IT Management's services. We've worked with other companies in the past who continually switched staff on projects, creating confusion in communication between the technicians. IT Management has outshone all other companies that we've worked with. What differentiates IT Management is that they are extremely organized and detailed. I was so impressed when I saw their audit reports. They really are a cut above the rest. When you hit a bump in the road, they always have a solution."* ***Technology Department / South San Francisco USD***

10 – MANUFACTURE'S CERTIFCATION FORM

PROJECT: **0790-22C.1 JEFFERSON SCHOOL DISTRICT NETWORK ELECTRONICS**
OWNER: **JEFFERSON SCHOOL DISTRICT**

Please provide the following information concerning any Manufacture's Certifications that apply to the material and scope as defined in the Project Specifications and Bid Drawings for the Jefferson School District Network Electronics **FY2022** E-Rate Project for the Jefferson School District.

Please see the next page for your reference.

Certification #1
Name of Manufacturer _____

Certification Expiration Date _____

Certification #2
Name of Manufacturer _____

Certification Expiration Date _____

Certification #3
Name of Manufacturer _____

Certification Expiration Date _____

Certification #4
Name of Manufacturer _____

Certification Expiration Date _____

Certification #5
Name of Manufacturer _____

Certification Expiration Date _____

Please attach a copy(ies) of your company's Manufacturer' s Certification(s).

CERTIFICATE OF ACHIEVEMENT

This is to certify that

David Ricci

of

IT Management Corporation

is a

Tripp Lite Factory Authorized Service Provider

TRIPP·LITE

Patrick Greaney

Patrick Greaney, Director - Quality Assurance

Dennis Andry

Dennis Andry, 3-Phase UPS Specialist

Tripp Lite
Service Excellence Since 1922

CERTIFICATE OF ACHIEVEMENT

This is to certify that

Donold Crozier

of

IT Management Corporation

is a

Tripp Lite Factory Authorized Service Provider

TRIPP·LITE

Patrick Greaney

Patrick Greaney, Director - Quality Assurance

Dennis Andry

Dennis Andry, 3-Phase UPS Specialist

Tripp Lite Service Excellence Since 1922

CERTIFICATE OF ACHIEVEMENT

This is to certify that

Maryam Alimohammadi

of

IT Management Corporation

is a

Tripp Lite Factory Authorized Service Provider

TRIPP·LITE

Patrick Greaney

Patrick Greaney, Director - Quality Assurance

Dennis Andry

Dennis Andry, 3-Phase UPS Specialist

Tripp Lite
Service Excellence Since 1922

14 – CONTRACTOR AGREEMENT

THIS AGREEMENT is entered into by and between the Jefferson School District, hereinafter called "District", and IT Management Corporation, hereinafter called "Contractor,". District and Contractor are sometimes individually referred to as "Party" and collectively as "Parties." This Agreement is made with reference to the following facts:

WHEREAS, The District published a Request for Proposal and seeks to procure the work covered in the Agreement in accordance with Public Contract Code 20118.2;

WHEREAS, The Contractor understands that the Agreement is contingent on the District's receipt of federal and/or state funds for the work covered in this Agreement. If the District does not receive adequate federal and/or state funds, this Agreement shall be null and void at the District's request. In the event that the Agreement is rendered void, the District will not be liable for any costs incurred by the Contractor prior to the issuance of a Notice to Proceed; and

NOW, THEREFORE, the Parties, in consideration of the mutual covenants hereinafter set forth, agree as follows:

1. Contract Documents. The complete contract includes all of the "Project Documents" provided in the Request for Proposal, including all modifications, addenda and amendments thereto. The Contract Documents are complementary and what is called for by anyone shall be as binding as if called for by all.

2. Scope of Work. The Contractor agrees to furnish all tools, equipment, apparatus, facilities, labor, and material necessary to perform and complete, in a good workmanlike manner, the work in strict accordance with the **Request for Proposal** 0790-22C.1 Jefferson School District Network Electronics.

It is understood and agreed that the work shall be performed and completed as required in strict accordance to the Contract Documents including, without limitation, the Drawings and Specifications, under the direction and supervision of, and subject to, the approval of the District or its authorized representative.

1. Total Contract Price – As full consideration for the faithful performance of the agreement, District shall pay to Contractor, subject to any additions or deductions as provided in the Contract Documents, the sum of:

Total sum of Base Bid

Thirty-six thousand, Two hundred and thirty-nine DOLLARS Eighty-one CENTS Dollars ($ **36,239.81**).

CONTRACTOR LEAVE BLANK TO BE FILLED IN BY THE OWNER

Total sum of Base Bid

_____ Dollars ($_____).

2. Work to Commence It is hereby understood and agreed that the wok under this Agreement shall not commence until after the issuance of the Notice to Proceed. No work may commence until after April 1 of the previous funding year per the requirements of the E-Rate Program.

3. Time for Completion Project must be completed within 90 consecutive calendar days from the date specified in the District's Notice to Proceed. Agreement may be extended if mutually agreed on by both parties in writing.

   Should the Contractor fail to complete this Contract, and the Work provided herein, within the time fixed for completion, due allowance being made for the contingencies provided for herein, the Contractor shall become liable to the District for all loss and damage that the District may suffer on account thereof.

4. Coordination of Work The Contractor shall coordinate its work with the Work of all other contractors. The District shall not be liable for delays resulting from Contractor's failure to coordinate its Work with other contractors in a manner that will allow timely completion of Contractor's Work. Contractor shall be liable for delays to other contractors caused by Contractor's failure to coordinate its Work with the work of other contractors.

5. Loss Or Damage The District and its authorized representatives shall not in any way or manner be answerable or suffer loss, damage, expense, or liability for any loss or damage that may happen to the Work, or any part thereof, or in or about the same during its construction and before acceptance, and the Contractor shall assume all liabilities of every kind or nature arising from the Work, either by accident, negligence, theft, vandalism, or any cause whatever; and shall hold the District and its authorized representatives harmless from all liability of every kind and nature arising from accident, negligence, or any cause whatever.

6. Payment On or before the twentieth (20th) day of each month, Contractor shall submit to the District an itemized application for payment for Work completed during the prior month. The application shall include all information required by the District and shall be in a format approved by the District.

   Contractor may be required to furnish a detailed schedule of values upon request of the District and in such detail and form as the District shall request, showing the quantities, unit prices, overhead, profit, and all other expenses involved in order to provide a basis for determining the amount of progress payments. No progress payments will be made for Work not completed in accordance with this Agreement or for any amounts withheld by the District due to punch list items, disputed work or stop notices, upon final completion.

   District shall make said payment of any balance due to the Contractor promptly upon filing the Notification of Completion for the Project, receipt of a release of lien and claims from the Contractor pursuant to Civil Code section 3262, and its acceptance of the Work. In the event that the District is required to withhold amounts from payment due to punch list items, disputed work or stop notices, Contractor shall execute a Conditional Waiver and Release upon Final Payment on the form prescribed in Civil Code section 3262 and shall execute an Unconditional Waiver and Release upon Final Payment on the form prescribed in Civil Code Section 3262, upon the District's payment of any amounts originally withheld from payment. Pursuant to California law, should a dispute arise between the Contractor and District, including amounts withheld for punch list items, District may withhold from the payment an amount not to exceed one hundred and fifty percent (150%) of the disputed amount and/or the amount of the punch list work.

   The Contractor to comply with the SLD's Form 474 "Service Provider Invoicing" (SPI) method for this contract. Contractor will invoice USAC directly for the committed funding amount of "eligible" equipment and services. The Owner will only be responsible for their percentage of the "eligible" equipment and services and 100% of "ineligible" equipment and services. A copy of the Form 474 will be sent to the Project Administrator, for approval, prior to be sent to USAC.

   In the event that the Owner authorizes the Service Provider to begin service prior to filing a Form 486 (Receipt of Service Confirmation Form), the Owner agrees to pay the Service Provider in full for the discounted and undiscounted amount of the accepted service(s) received. The Owner shall, at their sole discretion, seek reimbursement for the discounted amount of the service provided from USAC. The Owner shall do so by preparing and submitting a Form 472 Billed Entity Applicant Reimbursement (BEAR) to USAC. Service Provider agrees to remit any and all reimbursement payments received by the Service Provider as a result of a Form 472 filed by the Owner, within 20 business days after receipt of funds released by USAC.

7. Additional Work To the extent that additional work is required for the proper completion of the Work due to unforeseen circumstances and/or site conditions and is, therefore, not set forth in Contract Documents, the Parties may execute a change order to this Agreement setting forth the scope of such additional work, the time for completion for such additional work and the amount of additional compensation.

8. Assignment of Contract Neither Party shall not assign, transfer, convey, or otherwise dispose of this Agreement or of his/her right, title of interest in or to the same or any part thereof without previous consent in writing from the other Party's authorized representative.

9. Suspension/Termination of Contract If Contractor fails to commence work as provided in the Agreement, or fails to make delivery of materials promptly as ordered and such delivery is so late as to amount to gross negligence or willful misconduct, or if in the

opinion of District's authorized representative, Contractor is not carrying out the provisions of the Agreement in their true intent and meaning, written notice will be served on Contractor to provide, within a specified time to be fixed by District's authorized representative, for satisfactory compliance with this Agreement. If Contractor neglects or refuses to comply with such notice within the time therein fixed, he/she shall not thereafter exercise any rights under said Agreement or be entitled to receive any of the benefits thereof, except as hereinafter provided, and District's authorized representative may with the approval of the District Board perform any part of the Project or purchase any or all of the material included in the Agreement or required for the completion thereof, or take possession of all or any part of the machinery, tools, appliances, materials and supplies used in the Project covered by the Agreement or that have been delivered by or on account of Contractor for use in connection therewith, and the same may be used either directly by District or by other parties for it, in the completion of the Project.

District has the right to terminate or abandon any portion or all of the Project under this agreement by giving ten (10) calendar days written notice to Contractor and its Surety. In such event, District shall be immediately given title and possession to all original field notes, drawings and specifications, written reports and other documents produced or developed for that portion of the Project completed and/or being abandoned. District shall pay Contractor the reasonable value of services rendered for any portion of the Project completed prior to termination. If said termination occurs prior to the issuance of the Notice to Proceed, the District shall not be liable to the Contractor for any costs or amounts whatsoever under this Agreement. If said termination occurs prior to completion of any task for the Project for which a payment request has not been received, the charge for services performed during such task shall be the reasonable value of such services, based on an amount mutually agreed to by District and Contractor of the portion of such task completed but not paid prior to said termination. District shall not be liable for any costs other than the charges or portions thereof which are specified herein. Contractor shall not be entitled to payment for unperformed services, and shall not be entitled to damages or compensation for termination of the Project.

Contractor may terminate its obligation to provide further services under this Agreement upon thirty (30) calendar days' written notice to District only in the event of substantial failure by District to perform in accordance with the terms of this agreement through no fault of Contractor.

10. Procedure for Resolving Disputes The parties to this Agreement are subject to the provisions of Article 1.5 (commencing with Section 20104) of Chapter 1 of Part 3 of the Public Contract Code (as amended by the Statutes of 1990, Chapter 1414, effective January 1, 1991), which requires compliance with the following procedures to resolve any claim by the contractor of $375,000 or less regarding an extension of time, a change order, extra work, or any other disputed amount: If following the meet and confer conference the claim or any portion remains in dispute, the claimant must file a claim pursuant to Chapter 1 (commencing with Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the Government Code.

11. Indemnification To the fullest extent permitted by law, Contractor shall indemnify, defend and hold harmless District against any and all claims involving any type of property damage or personal injury, including death, that may be asserted by any person or type of entity, arising out of or in connection with the performance of work, both on and off the job site; provided however, Contractor shall only be liable to the extent of its negligence or willful misconduct. Contractor will defend any action filed in connection with any of said claims, damages, penalties, obligations or liabilities and will pay all costs and expenses, including attorney fees in connection therewith. Contractor will promptly pay any judgment rendered against Contractor or District arising out of or in connection with such work, operation or activities of Contractor hereunder and Contractor agrees to save and hold District harmless there from. District may retain to the extent it deems necessary, the money due to Contractor under and by virtue of this Agreement until disposition has been made of such actions or claims for damages as specified herein above.

12. Interpretation In interpreting this Agreement, it shall be deemed that it was prepared jointly by the Parties with full access to legal counsel of their own. No ambiguity shall be resolved against any party on the premise that it or its attorneys were solely responsible for drafting this Agreement or any provision thereof.

13. Governing Law This Agreement shall be construed in accordance with and be governed by the laws of the State of California. The Parties agree that Kern County, California is the proper venue for enforcement of the terms of this Agreement. The prevailing party in any action to enforce this Agreement or otherwise concerning the terms of the settlement of the action shall be awarded costs and attorney's fees.

14. Equipment Warranty Contractor shall maintain a guarantee that all items delivered under this Agreement are protected against imperfections of materials and/or workmanship during the period of the Agreement. Within thirty (30) days of completion of the Project, the Contractor shall assign any manufacturers or other equipment warranties to the District and shall provide the District with any relevant document(s) thereto.

Should the contract warrant an additional term above the already established term.

1. Integrated Agreement This Agreement embodies the entire understanding between the Parties pertaining to the matters described herein. Each party acknowledges that no party, agent or representative of the other party has made any promise, representation, or warranty, express or implied, not expressly contained in this Agreement, that induced the other party to sign this document. No modification of this Agreement shall be valid unless agreed to in writing by the Parties. This Agreement may be executed in separate counterparts, the whole of which shall constitute a binding agreement. Facsimile or E-mail signatures, when received, shall have the same force and effect as original signatures.

2. Contract Expiration This agreement expires on the date listed below. The contract may be extended upon agreement by both parties. Contract Expiration Date: **September 30, 2023**

IN WITNESS WHEREOF, the parties hereto have caused this Amendment to be duly executed and delivered as of the Effective Date set forth in the introductory paragraph above.

"DISTRICT"	**"CONTRACTOR"**
Jefferson School District	IT Management Corporation
By:	By:
Name:	Arman Eghbali
Title:	President
Date:	2/10/2022

14 – CONTRACTOR AGREEMENT

THIS AGREEMENT is entered into by and between the Jefferson School District, hereinafter called "District", and IT Management Corporation, hereinafter called "Contractor,". District and Contractor are sometimes individually referred to as "Party" and collectively as "Parties." This Agreement is made with reference to the following facts:

WHEREAS, The District published a Request for Proposal and seeks to procure the work covered in the Agreement in accordance with Public Contract Code 20118.2;

WHEREAS, The Contractor understands that the Agreement is contingent on the District's receipt of federal and/or state funds for the work covered in this Agreement. If the District does not receive adequate federal and/or state funds, this Agreement shall be null and void at the District's request. In the event that the Agreement is rendered void, the District will not be liable for any costs incurred by the Contractor prior to the issuance of a Notice to Proceed; and

NOW, THEREFORE, the Parties, in consideration of the mutual covenants hereinafter set forth, agree as follows:

1. Contract Documents. The complete contract includes all of the "Project Documents" provided in the Request for Proposal, including all modifications, addenda and amendments thereto. The Contract Documents are complementary and what is called for by anyone shall be as binding as if called for by all.

2. Scope of Work. The Contractor agrees to furnish all tools, equipment, apparatus, facilities, labor, and material necessary to perform and complete, in a good workmanlike manner, the work in strict accordance with the **Request for Proposal** 0790-22C.1 Jefferson School District Network Electronics.

It is understood and agreed that the work shall be performed and completed as required in strict accordance to the Contract Documents including, without limitation, the Drawings and Specifications, under the direction and supervision of, and subject to, the approval of the District or its authorized representative.

1. Total Contract Price – As full consideration for the faithful performance of the agreement, District shall pay to Contractor, subject to any additions or deductions as provided in the Contract Documents, the sum of:

Total sum of Base Bid

Thirty-six thousand, Two hundred and thirty-nine DOLLARS Eighty-one CENTS Dollars ($ **36,239.81**).

CONTRACTOR LEAVE BLANK TO BE FILLED IN BY THE OWNER

Total sum of Base Bid

_____ Dollars ($_____).

2. Work to Commence It is hereby understood and agreed that the wok under this Agreement shall not commence until after the issuance of the Notice to Proceed. No work may commence until after April 1 of the previous funding year per the requirements of the E-Rate Program.

3. Time for Completion Project must be completed within 90 consecutive calendar days from the date specified in the District's Notice to Proceed. Agreement may be extended if mutually agreed on by both parties in writing.

   Should the Contractor fail to complete this Contract, and the Work provided herein, within the time fixed for completion, due allowance being made for the contingencies provided for herein, the Contractor shall become liable to the District for all loss and damage that the District may suffer on account thereof.

4. Coordination of Work The Contractor shall coordinate its work with the Work of all other contractors. The District shall not be liable for delays resulting from Contractor's failure to coordinate its Work with other contractors in a manner that will allow timely completion of Contractor's Work. Contractor shall be liable for delays to other contractors caused by Contractor's failure to coordinate its Work with the work of other contractors.

5. Loss Or Damage The District and its authorized representatives shall not in any way or manner be answerable or suffer loss, damage, expense, or liability for any loss or damage that may happen to the Work, or any part thereof, or in or about the same during its construction and before acceptance, and the Contractor shall assume all liabilities of every kind or nature arising from the Work, either by accident, negligence, theft, vandalism, or any cause whatever; and shall hold the District and its authorized representatives harmless from all liability of every kind and nature arising from accident, negligence, or any cause whatever.

6. Payment On or before the twentieth (20th) day of each month, Contractor shall submit to the District an itemized application for payment for Work completed during the prior month. The application shall include all information required by the District and shall be in a format approved by the District.

   Contractor may be required to furnish a detailed schedule of values upon request of the District and in such detail and form as the District shall request, showing the quantities, unit prices, overhead, profit, and all other expenses involved in order to provide a basis for determining the amount of progress payments. No progress payments will be made for Work not completed in accordance with this Agreement or for any amounts withheld by the District due to punch list items, disputed work or stop notices, upon final completion.

   District shall make said payment of any balance due to the Contractor promptly upon filing the Notification of Completion for the Project, receipt of a release of lien and claims from the Contractor pursuant to Civil Code section 3262, and its acceptance of the Work. In the event that the District is required to withhold amounts from payment due to punch list items, disputed work or stop notices, Contractor shall execute a Conditional Waiver and Release upon Final Payment on the form prescribed in Civil Code section 3262 and shall execute an Unconditional Waiver and Release upon Final Payment on the form prescribed in Civil Code Section 3262, upon the District's payment of any amounts originally withheld from payment. Pursuant to California law, should a dispute arise between the Contractor and District, including amounts withheld for punch list items, District may withhold from the payment an amount not to exceed one hundred and fifty percent (150%) of the disputed amount and/or the amount of the punch list work.

   The Contractor to comply with the SLD's Form 474 "Service Provider Invoicing" (SPI) method for this contract. Contractor will invoice USAC directly for the committed funding amount of "eligible" equipment and services. The Owner will only be responsible for their percentage of the "eligible" equipment and services and 100% of "ineligible" equipment and services. A copy of the Form 474 will be sent to the Project Administrator, for approval, prior to be sent to USAC.

   In the event that the Owner authorizes the Service Provider to begin service prior to filing a Form 486 (Receipt of Service Confirmation Form), the Owner agrees to pay the Service Provider in full for the discounted and undiscounted amount of the accepted service(s) received. The Owner shall, at their sole discretion, seek reimbursement for the discounted amount of the service provided from USAC. The Owner shall do so by preparing and submitting a Form 472 Billed Entity Applicant Reimbursement (BEAR) to USAC. Service Provider agrees to remit any and all reimbursement payments received by the Service Provider as a result of a Form 472 filed by the Owner, within 20 business days after receipt of funds released by USAC.

7. Additional Work To the extent that additional work is required for the proper completion of the Work due to unforeseen circumstances and/or site conditions and is, therefore, not set forth in Contract Documents, the Parties may execute a change order to this Agreement setting forth the scope of such additional work, the time for completion for such additional work and the amount of additional compensation.

8. Assignment of Contract Neither Party shall not assign, transfer, convey, or otherwise dispose of this Agreement or of his/her right, title of interest in or to the same or any part thereof without previous consent in writing from the other Party's authorized representative.

9. Suspension/Termination of Contract If Contractor fails to commence work as provided in the Agreement, or fails to make delivery of materials promptly as ordered and such delivery is so late as to amount to gross negligence or willful misconduct, or if in the

opinion of District's authorized representative, Contractor is not carrying out the provisions of the Agreement in their true intent and meaning, written notice will be served on Contractor to provide, within a specified time to be fixed by District's authorized representative, for satisfactory compliance with this Agreement. If Contractor neglects or refuses to comply with such notice within the time therein fixed, he/she shall not thereafter exercise any rights under said Agreement or be entitled to receive any of the benefits thereof, except as hereinafter provided, and District's authorized representative may with the approval of the District Board perform any part of the Project or purchase any or all of the material included in the Agreement or required for the completion thereof, or take possession of all or any part of the machinery, tools, appliances, materials and supplies used in the Project covered by the Agreement or that have been delivered by or on account of Contractor for use in connection therewith, and the same may be used either directly by District or by other parties for it, in the completion of the Project.

District has the right to terminate or abandon any portion or all of the Project under this agreement by giving ten (10) calendar days written notice to Contractor and its Surety. In such event, District shall be immediately given title and possession to all original field notes, drawings and specifications, written reports and other documents produced or developed for that portion of the Project completed and/or being abandoned. District shall pay Contractor the reasonable value of services rendered for any portion of the Project completed prior to termination. If said termination occurs prior to the issuance of the Notice to Proceed, the District shall not be liable to the Contractor for any costs or amounts whatsoever under this Agreement. If said termination occurs prior to completion of any task for the Project for which a payment request has not been received, the charge for services performed during such task shall be the reasonable value of such services, based on an amount mutually agreed to by District and Contractor of the portion of such task completed but not paid prior to said termination. District shall not be liable for any costs other than the charges or portions thereof which are specified herein. Contractor shall not be entitled to payment for unperformed services, and shall not be entitled to damages or compensation for termination of the Project.

Contractor may terminate its obligation to provide further services under this Agreement upon thirty (30) calendar days' written notice to District only in the event of substantial failure by District to perform in accordance with the terms of this agreement through no fault of Contractor.

10. Procedure for Resolving Disputes The parties to this Agreement are subject to the provisions of Article 1.5 (commencing with Section 20104) of Chapter 1 of Part 3 of the Public Contract Code (as amended by the Statutes of 1990, Chapter 1414, effective January 1, 1991), which requires compliance with the following procedures to resolve any claim by the contractor of $375,000 or less regarding an extension of time, a change order, extra work, or any other disputed amount: If following the meet and confer conference the claim or any portion remains in dispute, the claimant must file a claim pursuant to Chapter 1 (commencing with Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the Government Code.

11. Indemnification To the fullest extent permitted by law, Contractor shall indemnify, defend and hold harmless District against any and all claims involving any type of property damage or personal injury, including death, that may be asserted by any person or type of entity, arising out of or in connection with the performance of work, both on and off the job site; provided however, Contractor shall only be liable to the extent of its negligence or willful misconduct. Contractor will defend any action filed in connection with any of said claims, damages, penalties, obligations or liabilities and will pay all costs and expenses, including attorney fees in connection therewith. Contractor will promptly pay any judgment rendered against Contractor or District arising out of or in connection with such work, operation or activities of Contractor hereunder and Contractor agrees to save and hold District harmless there from. District may retain to the extent it deems necessary, the money due to Contractor under and by virtue of this Agreement until disposition has been made of such actions or claims for damages as specified herein above.

12. Interpretation In interpreting this Agreement, it shall be deemed that it was prepared jointly by the Parties with full access to legal counsel of their own. No ambiguity shall be resolved against any party on the premise that it or its attorneys were solely responsible for drafting this Agreement or any provision thereof.

13. Governing Law This Agreement shall be construed in accordance with and be governed by the laws of the State of California. The Parties agree that Kern County, California is the proper venue for enforcement of the terms of this Agreement. The prevailing party in any action to enforce this Agreement or otherwise concerning the terms of the settlement of the action shall be awarded costs and attorney's fees.

14. Equipment Warranty Contractor shall maintain a guarantee that all items delivered under this Agreement are protected against imperfections of materials and/or workmanship during the period of the Agreement. Within thirty (30) days of completion of the Project, the Contractor shall assign any manufacturers or other equipment warranties to the District and shall provide the District with any relevant document(s) thereto.

Should the contract warrant an additional term above the already established term.

1. Integrated Agreement This Agreement embodies the entire understanding between the Parties pertaining to the matters described herein. Each party acknowledges that no party, agent or representative of the other party has made any promise, representation, or warranty, express or implied, not expressly contained in this Agreement, that induced the other party to sign this document. No modification of this Agreement shall be valid unless agreed to in writing by the Parties. This Agreement may be executed in separate counterparts, the whole of which shall constitute a binding agreement. Facsimile or E-mail signatures, when received, shall have the same force and effect as original signatures.

2. Contract Expiration This agreement expires on the date listed below. The contract may be extended upon agreement by both parties. Contract Expiration Date: **September 30, 2023**

IN WITNESS WHEREOF, the parties hereto have caused this Amendment to be duly executed and delivered as of the Effective Date set forth in the introductory paragraph above.

"DISTRICT"	**"CONTRACTOR"**
Jefferson School District	IT Management Corporation
By:	By:
Name:	Arman Eghbali
Title:	President
Date:	2/10/2022

IT Management Corp.
5201 Great America Parkway
Suite 320
Santa Clara, California 95054
United States
http://www.ITMGMT.com
(P) (888) 970-2070
(F) (408) 739-1101

ITM Quote (Open)

Date	Expiration Date
Feb 10, 2022 01:23 PM PST	04/01/2022

Modified Date
Feb 15, 2022 02:45 PM PST

Quote #
8313 - rev 1 of 1

Description
0790-22C.1 Jefferson School District Network Electronics

SalesRep
Sales Representative, Inside
(P) (408) 837-7000 ext. 1310
(F) 888-506-0606

Customer Contact

Customer
Jefferson School District (JS826)
1219 Whispering Wind Drive
Tracy, CA 95377
United States

Bill To
Jefferson School District
1219 Whispering Wind Drive
Tracy, CA 95377
United States

Ship To
Jefferson School District
1219 Whispering Wind Drive
Tracy, CA 95377
United States

Shipping Info
Delivery Method: FedEx Ground
Carrier Account #:
Special Instructions:

Payment Method
Terms: Net 22 Days

#	Description	Part #	Tax	List Price	% off List	Qty	Unit Price	Total
1	Tripp Lite UPS Smart Online 2200VA 1800W Rackmount 120V LCD USB DB9 Preinstalled SNMPWEBCARD 2URM UPS (rack-mountable) - 16 A - AC 100/110/115/120/127 V - 1800 Watt - 2200 VA - Ethernet 10/100, RS-232, USB - output connectors: 7 - PFC - 2U - 19"	SU2200RTXLCDN	Yes	$3,105.00	47.40%	8	$1,633.36	$13,066.88
2	Tripp Lite UPS Smart Online 1500VA 1350W Rackmount 120V LCD USB DB9 Preinstalled SNMPWEBCARD 2URM UPS (rack-mountable) - 12 A - AC 100/110/115/120/127 V - 1350 Watt - 1500 VA - Ethernet 10/100, RS-232, USB - output connectors: 6 - 2U - 19"	SU1500RTXLCDN	Yes	$2,244.60	47.40%	8	$1,180.75	$9,446.00
3	Tripp Lite UPS Smart 750VA 600W Rackmount AVR 120V Preinstalled WEBCARDLX Pure Sign Wave USB DB9 1URM UPS (rack-mountable) - AC 120 V - 600 Watt - 750 VA - RS-232, USB - output connectors: 6 - 1U - with SNMP/Web management accessory card	SMART750RM1UN	Yes	$1,382.40	47.12%	15	$731.00	$10,965.00

Quote Approved & Terms Accepted by:
Name:_____
Title:_____
Signature:_____
Date:_____
P.O. Number:_____
Fax to: (888) 506-0606

Tax (8.2500%):	$2,761.93
Shipping:	$0.00
Multiple Award Schedule Contract Transaction, IFF & Administration Fees*:	$0.00
Total:	**$36,239.81**
(List Price:	*$63,532.80)*

Sales Associates
Preparer: Sales Representative, Inside
E-mail: isr@itmgmt.com
Phone: (408) 837-7000 ext. 1310
Account Manager: Sales Representative, Inside
E-mail: isr@itmgmt.com

IT Management Corp. Standard Terms & Conditions

For up to date list of terms and conditions, please visit MSA.ITMGMT.com

Payments:

- One hundred percent (100%) of hardware/software/support/maintenance/training is invoiced upon shipment of order.

- Applicable Sales Taxes, shipping and handling fees are invoiced upon shipment of order.

-You may download a copy of our W9 via following the link:

W-9.ITMGMT.com

Delivery:

- Hardware/Software will be shipped ground unless otherwise specified by Customer.

- Freight on Board (FOB) Origin- IT Management Corp. (IT MGMT) shall, in its best efforts, deliver products and services in a timely manner to Customer.

- For third-party vendor orders, IT MGMT is limited to the delivery schedule and inventory availability by the vendor, and as such, IT MGMT shall not be held responsible for delays in shipping to customer.

No-Hire Provision:

- During the Project and for a period of one year after the completion or termination of the Project, Client will not directly or indirectly solicit, employ or retain in any capacity, or directly or indirectly offer to employ or retain in any capacity, any personnel of Consultant who are working or have worked on the Project.

Confidentiality:

- Customer agrees to treat all Confidential Information as confidential information of IT MGMT, both during and after the term of this engagement.

- Confidential Information means all information and material to which Customer has access in connection with this purchase order including, but not limited to, IT MGMT documentation, financials, marketing, sales, estimates of work, and quotations. Customer agrees to use the Confidential Information received under this quotation solely for the purposes of performing its obligations under this quotation. Customer will not disclose or make Confidential Information available to any third party, except as specifically authorized by IT MGMT in writing.

Contract Administration Fees:

*Multiple Award Schedule contracts fees and Industrial Funding Fee (IFF) payments is a critical component of contract compliance and contract maintenance. Government agencies prefer to procure through the MAS programs such as CMAS, GSA, PPEPM and others incur the IFF because of the resulting benefits, particularly compared to the cost of the customer staff time needed to award a new procurement. The Industrial Funding Fee is a fee to cover the cost of operating the Federal Supply Schedules (FSS) or other programs. This fee is a fixed percentage of reported sales the Schedule contracts that is paid quarterly by contractors. Each MSA Program fee varies depending on the IFF scheduled published by the authoritative entity.

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Telephone: 773.869.1234
www.tripplite.com

SmartPro 120V 750VA 600W Line-Interactive Sine Wave UPS, 1U Rack/Vertical, Pre-installed WEBCARDLX Network Interface, USB, DB9 Serial

MODEL NUMBER: **SMART750RM1UN**

Highlights

- .75kVA / 750VA / 600W line interactive 1U rack/vertical UPS, Sine wave output
- 120V output, Corrects brownouts and overvoltages from 83V to 147V
- 0.8 Power Factor, Front panel status LEDs
- Mounting brackets support 2 and 4 post installation
- 98% line-mode efficiency, 2 switched load banks
- USB, RS232, EPO and Pre-installed WEBCARDLX Network Interface
- 120V NEMA 5-15P input, 6 NEMA 5-15R outlets
- To enable the Auto Probe feature, this product requires LX firmware update 15.5.2 or later to be installed

Package Includes

- SMART750RM1U with Pre-installed WEBCARDLX network interface
- Mounting hardware
- USB, DB9 and EPO Cabling
- Instruction manual

Description

Tripp Lite SMART750RM1U 750VA / .75kVA / 600 watt line interactive, sine wave UPS system offers complete power protection for critical network applications in a highly efficient 1U total rack/vertical configuration. Network management interfaces support communications via USB port, DB9 serial port and pre-installed WEBCARDLX network management interface card. The Java-free HTML5-based WEBCARDLX interface enables full remote access for site power and UPS status monitoring, configuration, control and email notifications via secure web browser, SNMP, telnet or SSH. It supports 10/100 Mbps auto-sensing for optimum communication with an Ethernet network. Optional EnviroSense2 modules (sold separately) provide a variety of environmental monitoring capabilities. Protocols supported include HTTP, HTTPS, SMTP, SNMPv1, SNMPv2, SNMPv3, telnet, SSH, FTP, DHCP and NTP. Line interactive voltage regulation, network-grade surge suppression and long-lasting sine wave AC output during blackouts make this UPS ideal for advanced networking applications in datacenters, computer rooms and network closets.

Features

- Tripp Lite SMART750RM1U .75kVA / 750VA / 600 watt line interactive UPS
- 1U rack/vertical compatible form factor
- Included mounting brackets support 2 and 4 post rackmount installation; Optional 4POSTRAILKIT1U is available for additional support
- NEMA 5-15P input; 6 5-15R output receptacles
- Installed depth of only 16.75 in. / 42.5cm
- Sine wave output in both AC and battery backup modes
- Line Interactive UPS provides Automatic Voltage Regulation / AVR to maintain 120V nominal output during brownouts to 83V and overvoltages to 147V without using battery power
- Full load efficiency rating of 98% saves energy and ensures cool operating temperatures
- Integrated 2 bank switched PDU enables remote outlet management for load shedding or remote reboot of individual devices
- Network interfaces support communications via built-in USB, DB9 serial / contact-closure and pre-installed WEBCARDLX network management card
- WEBCARDLX interface allows full remote access for power monitoring, configuration, control and email

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notifications via secure web browser, SNMP, Telnet, SSH or Command Line

- Reduce Service Calls with Auto Probe Autonomous Device Management. The Auto Probe feature (Firmware 15.5.2 and greater) checks the connectivity status of any networked device and automatically takes one or more user-configured actions if the device fails to respond; actions include outlet reboot, set SNMP traps, SNMP OID sets, and even script execution when used in conjunction with the Tripp Lite PowerAlert Network Shutdown Agent (PANSA)
- Optional E2 sensors enable site monitoring of temperature, humidity and contact-closure status
- HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Intelligent battery management system extends battery life
- 3 stage metered LEDs offer current monitoring and battery charge level
- Mains power and voltage regulation LEDs offer at-a-glance power status information
- Front panel switches support self-test and alarm cancel functions
- Field replaceable, hot-swappable internal UPS batteries

Specifications

OVERVIEW	
UPC Code	037332190734
UPS Type	Line-Interactive
INPUT	
Rated input current (Maximum Load)	7A
Nominal Input Voltage(s) Supported	120V AC
UPS Input Connection Type	5-15P
Input Circuit Breakers	15A
Recommended Electrical Service	15A 120V
Input Phase	Single-Phase
Input Cord Length (ft.)	10
Input Cord Length (m)	3.05
OUTPUT	
Output Volt Amp Capacity (VA)	750
Output Watt Capacity (Watts)	600
Power Factor	0.8
Nominal Voltage Details	120v nominal output in battery mode
Frequency Compatibility	60 Hz
Output Voltage Regulation (Line Mode)	-21%, +8%
Output Voltage Regulation (Battery Mode)	+/- 5%

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Load Management Receptacles	Two switchable single-outlet 5-15R load banks
Output AC Waveform (AC Mode)	Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	110V; 115V; 120V
Output Receptacles	(6) 5-15R
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Full Load Runtime (min.)	4.9 min. (600w)
Half Load Runtime (min.)	13.2 min. (300w)
Expandable Runtime	No
DC System Voltage (VDC)	24
Battery Recharge Rate (Included Batteries)	3.6 hours maximum from 10% to 90% (typical, full load discharge)
Battery Access	Front panel battery access door
Internal UPS Replacement Battery Cartridge	RBC64-1U
Battery Replacement Description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage Regulation Description	Automatic voltage regulation (AVR) maintains line power operation with an input voltage range of 83 to 147
Overvoltage Correction	Input voltages between 128 and 147 are reduced by 12%
Undervoltage Correction	Input voltages between 83 and 107 are boosted by 14%
USER INTERFACE, ALERTS & CONTROLS	
Switches	2 Switches control off/on power status and alarm-cancel/self-test operation. LX Platform Interface: Recessed reset switch for interface reboot and factory reset
Alarm Cancel Operation	Power-fail alarm can be silenced using alarm-cancel switch; once silenced, alarm will re-sound to indicate low-battery status
Audible Alarm	Audible alarm indicates power-failure, overload and low-battery conditions
LED Indicators	5 LEDs indicate line power, battery power, overload, voltage regulation and battery low/replace status. Network Link/Activity (Green): Flashes for network activity. Network Speed (Yellow): 10 Mbps (Flashing), 100 Mbps (On steady). LX Platform Interface Status: Normal Operation (Solid Green); Software Update (Alternating Green/Orange ~1/sec); Factory Reset (Alternating Green/Orange ~2/sec).
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	450
UPS AC Suppression Response Time	Instantaneous

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EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Rackmount; Vertical
Cooling Method	Fan
Included Mounting Accessory Description	Included mounting brackets provide front-rail installation in 2 or 4 post racks; For additional stability in 4 post racks, consider optional 4 post mounting accessories 4POSTRAILKIT1U & 4POSTRAILKITWM
Installation Form Factors Supported with Included Accessories	2 post 19 inch rackmount; 2 post front mount; 4 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	4 post rackmount full-depth (4POSTRAILKIT1U); 4 post rackmount short-depth (4POSTRAILKITWM); Vertical Mount Enclosures (SRWF5U36 , SRWF5U , SRWF10UMOD)
Minimum Required Rack Depth (cm)	50.16
Minimum Required Rack Depth (inches)	19.75
Optional Mounting Accessory Notes	Optional 4POSTRAILKITWM enables installation in 4-port short-depth racks from 14.5 to 23.5 inches (368 to 597mm); Optional 4POSTRAILKIT1U enables installation in 4-post full-depth racks from 20.5 to 36 inches (521 to 914mm)
Primary UPS Depth (mm)	425
Primary UPS Height (mm)	44
Primary UPS Width (mm)	445
Rack Height	1U
Shipping Dimensions (hwd / cm)	13.46 x 53.85 x 56.90
Shipping Dimensions (hwd / in.)	5.30 x 21.20 x 22.40
Shipping Weight (kg)	15.56
Shipping Weight (lbs.)	34.30
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	4.44 x 44.45 x 42.54
UPS Power Module Dimensions (hwd, in.)	1.75 x 17.5 x 16.75
UPS Power Module Weight (kg)	13.61
UPS Power Module Weight (lbs.)	30
ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius

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Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	38
Battery Mode BTU / Hr. (Full Load)	545
AC Mode Efficiency Rating (100% Load)	98%
Audible Noise	45 dBA maximum, front side 1m
COMMUNICATIONS	
Network Management Cards	WEBCARDLX
Network Monitoring Port Description	Includes pre-installed WEBCARDLX Network Management Card
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at https://www.tripplite.com/poweralert
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
EPO Port	RJ11 interface jack with 4-meter cable included. Supports normally open and normally closed EPO systems
SNMP Compatibility	SNMP V1, V2c, V3
Network UPS Tools Compatibility	NUT compatible. See the full list of Tripp Lite NUT compatible UPS systems at http://www.networkupstools.org/stable-hcl.html?manufacturer=Tripp Lite
Network Compatibility	100 Mbps (Fast Ethernet)
Network Management Card Description	Network management card included
Communications Interface	DB9 Serial; EPO (emergency power off); Pre-installed network card; Slot for SNMP/Web interface; USB
LINE / BATTERY TRANSFER	
Transfer Time	5 milliseconds AC to DC; 1 millisecond DC to AC
Low Voltage Transfer to Battery Power (Setpoint)	83
High Voltage Transfer to Battery Power (Setpoint)	147
FEATURES & SPECIFICATIONS	
Grounding Lug	Back panel grounding lug
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring and Reboot (included); Automatic Voltage Regulation (AVR); Hot swappable batteries; Remote management; Sine wave output; Surge/noise protection
STANDARDS & COMPLIANCE	
Certification & Compliance	RoHS; UL 1778; CSA (Canada); NOM (Mexico); FCC Part 15 Class A (USA)

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WARRANTY	
Product Warranty Period (Worldwide)	2-year warranty, 3 year with registration. Note: Registration is required for 3-year warranty.
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

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SmartOnline 120V 1.5kVA 1.35kW Double-Conversion UPS, 2U Rack/Tower, Extended Run, WEBCARDLX Network Interface, LCD, USB, DB9

MODEL NUMBER: **SU1500RTXLCDN**

Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Pre-installed WEBCARDLX network interface permits remote UPS management, including reboots.

Features

Protects Mission-Critical Rack-Mounted Equipment Provides fully regulated sine wave AC output for servers, network storage devices and telecom hardware+/-2% voltage regulation in online and battery modesSelectable 100/110/120/127V output voltage6 NEMA 5-15R outlets10-ft. (3.05 m) power cord with NEMA 5-15P input570-joule surge suppression rating
Reliable Battery Backup with Expandable Runtime Supports half load for 14 min. and full load for 4.2 min.Zero transfer time suitable for advanced network applicationsExpandable runtime with optional external battery packs, such as Tripp Lite's BP48V24-2UBattery independent restart ensures automatic UPS power-up after lengthy power outages, even with expired batteries
Pre-Installed WEBCARDLX Network Interface Allows full remote access for power monitoring, configuration, control and email notifications via secure web browser, SNMP, telnet or SSHOptional EnviroSense2 sensors (sold separately) enable site monitoring of temperature, humidity and contact-closure status
Switchable Numbered Load Banks Outlets are divided into 2 numbered load banks, each of which may be individually powered on and off remotely to reset or reboot connected equipment
Interactive LCD Screen Reports detailed status information, including load, voltage and battery levelsOffers advanced configuration and setup options, including output voltage and operating mode
EMI/RFI Line Noise Filtering Removes electromagnetic and radio frequency interference that can disrupt or damage equipment's performance
Audible Alarm Indicates startup/shutdown, power failure, low battery, overload and fault conditions
Communications PortsUSB and DB9 ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software (available via free download at www.tripplite.com/poweralert)EPO port supports emergency shutdown in large facilities
Versatile Installation Options Hardware included for 4-post mounting in 2U of EIA-standard 19 in. rackMounts on wall or 2-post rack with optional 2POSTRMKITWMMounts in upright tower position with optional 2-9USTAND

Highlights

- Zero transfer time suitable for advanced network applications
- 2% output voltage regulation in online and battery modes
- Expandable runtime with optional external battery packs
- Pre-installed WEBCARDLX network interface
- 14 min. runtime at half load; 4.2 min. at full load

Package Includes

- SU1500RTXLCDN SmartOnline 120V 1.5kVA 1.35kW On-Line Double-Conversion UPS
- Pre-installed WEBCARDLX network interface
- USB cable
- DB9 cable
- EPO cable
- Mounting hardware
- Owner’s manual

Specifications

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OVERVIEW	
UPC Code	037332192813
UPS Type	On-Line
INPUT	
Rated input current (Maximum Load)	12A
Nominal Input Voltage(s) Supported	100V AC; 110V AC; 115V AC; 120V AC; 127V AC
Nominal Input Voltage Description	120V factory default
UPS Input Connection Type	5-15P
Input Circuit Breakers	20A
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	15A 120V
Input Phase	Single-Phase
OUTPUT	
Output Volt Amp Capacity (VA)	1500
Output kVA Capacity (kVA)	1.5
Output Watt Capacity (Watts)	1350
Output kW Capacity (kW)	1.35
Output Capacity Details	ON LINE MODE: Maximum output capacity ratings is reduced to 1215 watts at 115V nominal and 1080 watts at 100V nominal; FREQUENCY REGULATION / CONVERSION MODE: Maximum output ratings are reduced in frequency regulation / conversion mode (127/120V 945 watts / 115V 850 watts / 110V 804 watts / 100V 756 watts) OVERLOAD CAPACITY: Supports inverter operation up to 105% load continuously, 125% load for 3 minutes; 150% load for 30 seconds and >150% load for 0.5 seconds before switching to BYPASS (when bypass input voltage and frequency are WITHIN bypass limits) or SHUTDOWN (when bypass input voltage or frequency are OUTSIDE bypass limits)
Power Factor	0.9
Crest Factor	3:1
Nominal Voltage Details	120V factory-default nominal voltage; Less than 3% THD for linear loads and less than 5% for non-linear computer loads
Frequency Compatibility	50 / 60 Hz; Supports 50 to 60 Hz and 60 to 50 Hz conversion
Frequency Compatibility Details	ON LINE MODE: Output frequency is automatically configured to match nominal input frequency on startup; Output matches input frequency when +/-5Hz of nominal; Output is regulated to +/-0.05Hz when input frequency exceeds +/-5Hz of nominal. UPS switches to battery mode when input frequency is below 40Hz or above 70Hz. FREQUENCY REGULATION / CONVERSION MODE: Output is regulated to +/-0.05Hz of selected output frequency input is 40 to 70Hz; UPS switches to battery mode when input frequency is below 40Hz or above 70Hz. BATTERY MODE: Output is regulated to +/-0.05Hz.
Output Voltage Regulation (Line Mode)	+/- 2%
Output Voltage Regulation (Economy Line Mode)	+/- 10%

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Output Voltage Regulation (Battery Mode)	+/- 3%
Load Management Receptacles	Two switchable three-outlet 5-15R load banks
Output AC Waveform (AC Mode)	Pure Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	100V; 110V; 115V; 120V; 127V
Output Receptacles	(6) 5-15R
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Full Load Runtime (min.)	4.2 min. (1350w)
Half Load Runtime (min.)	14 min. (675w)
Expandable Battery Runtime	Extended runtime supported via optional external battery packs
Expandable Runtime	Yes
Expandable Runtime Description	Some external battery configurations require the use of Tripp Lite's External Battery Configuration Software, see manual for details
External Battery Pack Compatibility	BP48V24-2U (limit 1); BP48V60RT-3U (multi-pack compatible); BP48V27-2US (multi-pack compatible)
DC System Voltage (VDC)	48
Battery Recharge Rate (Included Batteries)	Less than 3 hours recharge to 90%; Add 6 hours per BP48V27-2US (typical, full load discharge)
Battery Access	Front panel battery access
Internal UPS Replacement Battery Cartridge	RBC94-2U
Battery Replacement Description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage Regulation Description	Online, double-conversion power conditioning maintains 2% output voltage regulation during brownouts and overvoltages
Overvoltage Correction	Corrects overvoltages to 150V (0-100% load)
Undervoltage Correction	Corrects undervoltages to 100V at full load (90V at 100V nominal)
Severe Undervoltage Correction	Corrects brownouts to 70V (70% load) & 55V (33% load)
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	Front panel LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, frequency, operating mode, alarm function and a variety of additional options

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Switches	2 switches control off/on power status and alarm-cancel operation; 2 additional scroll-down and scroll-up / select options enable LCD status viewing and configuration options
Alarm Cancel Operation	Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
LED Indicators	7 front panel LEDs indicate line power availability, AC to DC conversion, battery mode operation, inverter mode, eco mode operation, bypass mode operation and AC output status
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	570
UPS AC Suppression Response Time	Instantaneous
UPS Dataline Suppression	1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Cooling Method	Fan
Included Mounting Accessory Description	Included 4POSTRAILKIT mounting bracket enables installation in 4 post racks from 20.5 to 36 inches (521 to 914mm)
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	2 post rackmount (2POSTRMKITWM); 2-4 post front rail rackmount (UPSHDEARKIT); 4 post rackmount short-depth (4POSTRAILKITWM); Tower (2-9USTAND); Wallmount (2POSTRMKITWM)
Minimum Required Rack Depth with External Battery Pack (cm)	65
Minimum Required Rack Depth with External Battery Pack (in.)	25.5
Minimum Required Rack Depth without External Battery Pack (cm)	55
Minimum Required Rack Depth without External Battery Pack (in.)	21.5
Optional Mounting Accessory Notes	Optional 2-9USTAND enables upright tower UPS placement; 2POSTRMKITWM enables wall-mount and 2-post rackmount installation; 4POSTRAILKITWM enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm); UPSHDEARKIT enables installation in 2 or 4-post racks using front vertical rails only, without rear support
Primary Form Factor	Rackmount
Primary UPS Depth (mm)	470
Primary UPS Height (mm)	89

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Primary UPS Width (mm)	445
Rack Height	2U
Shipping Dimensions (hwd / cm)	23.37 x 59.18 x 48.77
Shipping Dimensions (hwd / in.)	9.20 x 23.30 x 19.20
Shipping Weight (kg)	27.22
Shipping Weight (lbs.)	60.00
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	8.89 x 44.45 x 46.99
UPS Power Module Dimensions (hwd, in.)	3.5 x 17.5 x 18.5
UPS Power Module Weight (kg)	20.50
UPS Power Module Weight (lbs.)	45.2
ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +122 degrees Fahrenheit / -20 to +40 degrees Celsius with batteries; -13 to +131 Fahrenheit / -25 to +55 degrees Celsius without batteries
Relative Humidity	0 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	455
AC Economy Mode BTU / Hr. (Full Load)	294
Battery Mode BTU / Hr. (Full Load)	559
AC Economy Mode Efficiency Rating (100% Load)	94%
Audible Noise	45 dBA at 1m front side
Operating Elevation (m)	Up to 3000m
COMMUNICATIONS	
Network Management Cards	WEBCARDLX
Network Monitoring Port Description	Includes pre-installed WEBCARDLX Network Management Card; Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications
PowerAlert Software	For local monitoring via the UPS’s built-in communication ports, download PowerAlert Local software at https://www.tripplite.com/poweralert
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Communications Interface	Contact closure; DB9 Serial; EPO (emergency power off); Pre-installed network card; Slot for SNMP/Web interface; USB (HID enabled)
LINE / BATTERY TRANSFER	

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Transfer Time	Zero (0 milliseconds) in double-conversion mode; 4 milliseconds economy mode
Low Voltage Transfer to Battery Power (Setpoint)	100V at full load (90V full load at 100V nominal setting); 70V at 70% load; 55V at 33% load
High Voltage Transfer to Battery Power (Setpoint)	150
SPECIAL FEATURES	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring and Reboot (included); Automatic inverter bypass; Expandable battery backup; Hot swappable batteries; On-Line/Double-Conversion; Remote management; Sine wave output; Surge/noise protection; Zero transfer time
Green Energy-Saving Features	High efficiency economy mode operation; Individually controllable load banks; Schedulable daily hours of economy mode operation
STANDARDS & COMPLIANCE	
UPS Certifications	ENERGY STAR Qualified; Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances); Tested to CSA (Canada); Tested to UL1778 (USA)
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

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SmartOnline 120V 2.2kVA 1.8kW Double-Conversion UPS, 2U Rack/Tower, Extended Run, WEBCARDLX Network Interface

MODEL NUMBER: **SU2200RTXLCDN**

Protects connected mission-critical equipment against damage, downtime and data loss due to blackouts, brownouts, power surges and line noise. Pre-installed WEBCARDLX network interface permits remote UPS management.

Features

Protects Mission-Critical Rack-Mounted Equipment Provides fully regulated sine wave AC output for servers, network storage devices and telecom hardware+/-2% voltage regulation in online and battery modesSelectable 100/110/120/127V output voltage6 NEMA 5-15/20R and 1 L5-20R outlets10-ft. (3.05 m) power cord with NEMA 5-20P input570-joule surge suppression rating

Reliable Battery Backup with Expandable Runtime Supports half load for 12 min. and full load for 4 min.Zero transfer time suitable for advanced network applicationsExpandable runtime with optional external battery packs, such as Tripp Lite's BP48V24-2UBattery independent restart ensures automatic UPS power-up after lengthy power outages, even with expired batteries

Pre-Installed WEBCARDLX Network Interface Allows full remote access for power monitoring, configuration, control and email notifications via secure web browser, SNMP, telnet or SSHOptional EnviroSense2 sensors (sold separately) enable site monitoring of temperature, humidity and contact-closure status

Switchable Numbered Load Banks Outlets are divided into 2 numbered load banks, each of which may be individually powered on and off remotely to reset or reboot connected equipment

Interactive LCD Screen Reports detailed status information, including load, voltage and battery levelsOffers advanced configuration and setup options, including output voltage and operating mode

EMI/RFI Line Noise Filtering Removes electromagnetic and radio frequency interference that can disrupt or damage equipment's performance

Audible Alarm Indicates startup/shutdown, power failure, low battery, overload and fault conditions

Communications PortsUSB and DB9 ports enable data-saving unattended shutdown when used with Tripp Lite's PowerAlert software (available via free download at www.tripplite.com/poweralert)EPO port

Highlights

- Zero transfer time suitable for advanced network applications
- 2% output voltage regulation in online and battery modes
- Expandable runtime with optional external battery packs
- Pre-installed WEBCARDLX network interface
- 12 min. runtime at half load; 4 min. at full load
- To enable the Auto Probe feature, this product requires LX firmware update 15.5.2 or later to be installed

Package Includes

- SU2200RTXLCDN SmartOnline 120V 2.2kVA 1.8kW On-Line Double-Conversion UPS
- Pre-installed WEBCARDLX network interface
- USB cable
- DB9 cable
- EPO cable
- Mounting hardware
- Owner’s manual

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supports emergency shutdown in large facilities

Versatile Installation Options Hardware included for 4-post mounting in 2U of EIA-standard 19 in. rackMounts on wall or 2-post rack with optional 2POSTRMKITWMMounts in upright tower position with optional 2-9USTAND

Specifications

OVERVIEW	
UPC Code	037332182982
Total Harmonic Distortion	0.03
UPS Type	On-Line
INPUT	
Rated input current (Maximum Load)	16A
Nominal Input Voltage(s) Supported	100V AC; 110V AC; 115V AC; 120V AC; 127V AC
Nominal Input Voltage Description	120V factory default
UPS Input Connection Type	5-20P
Input Circuit Breakers	30A
UPS Input Cord Length (ft.)	10
UPS Input Cord Length (m)	3.1
Recommended Electrical Service	20A 120V
Input Phase	Single-Phase
OUTPUT	
Output Volt Amp Capacity (VA)	2200
Output Capacity (kVA)	2.2
Output Watt Capacity (Watts)	1800
Output kW Capacity (kW)	1.8
Output Capacity Details	17.3A (100V), 18.3A (110V), 17.2A (115V), 17A (120V), 17.6A (127V). ON LINE MODE: Maximum output capacity is reduced to 1620 watts at 115V nominal and 1440 watts at 100V nominal; FREQUENCY REGULATION / CONVERSION MODE: Maximum output ratings are reduced in frequency regulation / conversion mode (127/120V 1260 watts / 115V 1134 watts / 110V 1071 watts / 100V 1008 watts) OVERLOAD CAPACITY: Supports inverter operation up to 105% load continuously, 125% load for 3 minutes; 150% load for 30 seconds and >150% load for 0.5 seconds before switching to BYPASS (when bypass input voltage and frequency are WITHIN bypass limits) or SHUTDOWN (when bypass input voltage or frequency are OUTSIDE bypass limits)
Power Factor	0.82
Crest Factor	3:1
Nominal Voltage Details	120V sinusoidal in line mode and 120V sinusoidal in battery mode
Frequency Compatibility	50 / 60 Hz; Supports 50 to 60 Hz and 60 to 50 Hz conversion

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Frequency Compatibility Details	ON LINE MODE: Output frequency is automatically configured to match nominal input frequency on startup; Output matches input frequency when +/-5Hz of nominal; Output is regulated to +/-0.05Hz when input frequency exceeds +/-5Hz of nominal. UPS switches to battery mode when input frequency is below 40Hz or above 70Hz. FREQUENCY REGULATION / CONVERSION MODE: Output is regulated to +/-0.05Hz of selected output frequency input is 40 to 70Hz; UPS switches to battery mode when input frequency is below 40Hz or above 70Hz. BATTERY MODE: Output is regulated to +/-0.05Hz.
Output Voltage Regulation (Line Mode)	+/- 2%
Output Voltage Regulation (Economy Line Mode)	+/- 10%
Output Voltage Regulation (Battery Mode)	+/- 3%
Load Management Receptacles	Two switchable three-outlet 5-15/20R load banks
Output AC Waveform (AC Mode)	Pure Sine wave
Output AC Waveform (Battery Mode)	Pure Sine wave
Nominal Output Voltage(s) Supported	100V; 110V; 115V; 120V; 127V
Output Receptacles	(6) 5-15/20R; (1) L5-20R
Individually Controllable Load Banks	Yes
BATTERY	
Battery Type	Valve Regulated Lead Acid (VRLA)
Full Load Runtime (min.)	4.3 min. (1800w)
Half Load Runtime (min.)	12 min. (900w)
Expandable Battery Runtime	Extended runtime supported via optional external battery packs
Expandable Runtime	Yes
Expandable Runtime Description	Some external battery configurations require the use of Tripp Lite's External Battery Configuration Software, see manual for details
External Battery Pack Compatibility	BP48V24-2U (limit 1); BP48V60RT-3U (multi-pack compatible); BP48V27-2US (multi-pack compatible)
DC System Voltage (VDC)	48
Battery Recharge Rate (Included Batteries)	Less than 3 hours recharge to 90% (typical, full load discharge)
Battery Access	Front panel battery access
Internal UPS Replacement Battery Cartridge	RBC94-2U
Battery Replacement Description	Hot-swappable, user replaceable batteries
VOLTAGE REGULATION	
Voltage Regulation Description	Online, double-conversion power conditioning maintains 2% output voltage regulation during brownouts and overvoltages. Input voltage range of 100 to 150

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Overvoltage Correction	Corrects overvoltages to 150V (0-100% load)
Undervoltage Correction	Corrects undervoltages to 100V at full load (90V at 100V nominal)
Severe Undervoltage Correction	Corrects brownouts to 70V (70% load) & 55V (33% load)
USER INTERFACE, ALERTS & CONTROLS	
Front Panel LCD Display	Front panel LCD information and configuration screen offers detailed UPS and site power status and operating data, plus configuration of voltage, frequency, operating mode, alarm function and a variety of additional options
Switches	2 switches control off/on power status and alarm-cancel operation; 2 additional scroll-down and scroll-up / select options enable LCD status viewing and configuration options
Alarm Cancel Operation	Power-fail alarm can be temporarily silenced using alarm-cancel switch; silent mode alarm configuration option available
Audible Alarm	Audible alarm indicates UPS startup, power-failure, low-battery, overload, UPS fault and remote shutdown conditions
LED Indicators	7 front panel LEDs indicate line power availability, AC to DC conversion, battery mode operation, inverter mode, eco mode operation, bypass mode operation and AC output status
SURGE / NOISE SUPPRESSION	
UPS AC Suppression Joule Rating	570
UPS AC Suppression Response Time	Instantaneous
UPS Dataline Suppression	1 line TEL/DSL (1 in / 1 out); 10/100Base T Ethernet
EMI / RFI AC Noise Suppression	Yes
PHYSICAL	
Primary Form Factor	Rackmount
Cooling Method	Fan
Included Mounting Accessory Description	Included 4POSTRAILKIT mounting bracket enables installation in 4 post racks from 20.5 to 36 inches (521 to 914mm)
Installation Form Factors Supported with Included Accessories	4 post 19 inch rackmount
Installation Form Factors Supported with Optional Accessories	2 post rackmount (2POSTRMKITWM); 2-4 post front rail rackmount (UPSHDEARKIT); 4 post rackmount short-depth (4POSTRAILKITWM); Tower (2-9USTAND); Wallmount (2POSTRMKITWM)
Minimum Required Rack Depth with External Battery Pack (cm)	66
Minimum Required Rack Depth with External Battery Pack (in.)	26
Minimum Required Rack Depth without External Battery Pack (cm)	61
Minimum Required Rack Depth without External Battery Pack (in.)	24

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Optional Mounting Accessory Notes	Optional 2-9USTAND enables upright tower UPS placement; 2POSTRMKITWM enables wall-mount and 2-post rackmount installation; 4POSTRAILKITWM enables installation in 4-post short-depth racks from 14.5 to 23.5 inches (368 to 597mm); UPSHDEARKIT enables installation in 2 or 4-post racks using front vertical rails only, without rear support
Primary UPS Depth (mm)	483
Primary UPS Height (mm)	89
Primary UPS Width (mm)	445
Rack Height	2U
Shipping Dimensions (hwd / cm)	22.61 x 50.55 x 59.69
Shipping Dimensions (hwd / in.)	8.90 x 19.90 x 23.50
Shipping Weight (kg)	28.58
Shipping Weight (lbs.)	63.00
UPS Housing Material	Steel
UPS Power Module Dimensions (hwd, cm)	8.89 x 44.45 x 48.26
UPS Power Module Dimensions (hwd, in.)	3.5 x 17.5 x 19
UPS Power Module Weight (kg)	22.00
UPS Power Module Weight (lbs.)	48.5
ENVIRONMENTAL	
Operating Temperature Range	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
Storage Temperature Range	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Relative Humidity	5 to 95%, non-condensing
AC Mode BTU / Hr. (Full Load)	684
AC Economy Mode BTU / Hr. (Full Load)	392
Battery Mode BTU / Hr. (Full Load)	1085
AC Economy Mode Efficiency Rating (100% Load)	94%
Operating Elevation (ft.)	3,000 m above the sea level
Audible Noise	57 dBA at 1m front side
Operating Elevation (m)	Up to 3000m
COMMUNICATIONS	
Network Management Cards	WEBCARDLX

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Network Monitoring Port Description	Includes pre-installed WEBCARDLX Network Management Card interface; Supports detailed monitoring of UPS and site power conditions; DB9 port supports RS232 and contact closure communications
PowerAlert Software	For local monitoring via the UPS's built-in communication ports, download PowerAlert Local software at https://www.tripplite.com/poweralert
Communications Cable	USB and DB9 cabling included
WatchDog Compatibility	Supports Watchdog application, OS and hard-reboot restart options for remote applications
Network Management Card Description	Network management card included
Communications Interface	Contact closure; DB9 Serial; EPO (emergency power off); Pre-installed network card; Slot for SNMP/Web interface; USB (HID enabled)
LINE / BATTERY TRANSFER	
Transfer Time	Zero (0 milliseconds) in double-conversion mode; 4 milliseconds economy mode
Low Voltage Transfer to Battery Power (Setpoint)	100V at full load (90V full load at 100V nominal setting); 70V at 70% load; 55V at 33% load
High Voltage Transfer to Battery Power (Setpoint)	150
FEATURES & SPECIFICATIONS	
Cold Start (Startup in Battery Mode During a Power Failure)	Cold-start operation supported
High Availability UPS Features	Auto Probe Monitoring and Reboot (included); Automatic inverter bypass; Expandable battery backup; Hot swappable batteries; On-Line/Double-Conversion; Remote management; Sine wave output; Surge/noise protection; Zero transfer time
Green Energy-Saving Features	High efficiency economy mode operation; Individually controllable load banks; Schedulable daily hours of economy mode operation
STANDARDS & COMPLIANCE	
UPS Certifications	Meets FCC Part 15 Category A (EMI); ROHS (Restriction of Hazardous Substances); Tested to CSA (Canada); Tested to UL1778 (USA)
WARRANTY	
Product Warranty Period (Worldwide)	2-year limited warranty
Connected Equipment Insurance (U.S., Canada & Puerto Rico)	$250,000 Ultimate Lifetime Insurance

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