Network Switches and Cabling Phase II
(Submission deadline is October 8, 2020)

Purpose

The purpose of this Request for Proposal (RFP) is to solicit proposals from qualified vendors to upgrade access layer network switches, battery backups and access points in multiple locations.

Overview

ars due to hub and spoke system design with single point of failure being the single switch and single fiber uplink. CCC deployed 24 pair and 48 strand fiber optic to each building in Phase I deployment of campus fiber infrastructure. Phase II is scheduled to begin this fall. The College aims to utilize multiple fibers between building and the campus core for redundancy and flexibility. In order to meet performance expectations, the College is looking to purchase 10G capable POE+ switches. All fiber optic patch panels, racks, and equipment will need to be properly grounded.

CCC reserves the right to reject any and all proposals, and award all or part of the bid and to make the award on merit/or features of design and quality, delivery and availability of parts and service to the best interest of CCC.

Location: H.F. Davis Memorial Library, IT Department Core Switch

2 x Ruckus ICX7750-48C 48 Ports 10G/RJ45 Chassis Replacement Server Switch (ICX7750-48C or equivalent)

2 x ICX7750-48C Ruckus ICX 7750 with 48×1/10 GbE RJ-45 10GBASE-T ports

4 x RPS9+I 500 W AC power supply; power-supply-side intake (port

83 x Ruckus Wireless: EU support for AP End user WatchDog Support Per SZ/vSZ AP 3YR (S01-0001-3LSG or equivalent)

83 x Ruckus 1 AP License Upgrade for SZ-100/VSZ 3.X/SCG200/SZ300 (L09-0001-SG00 or equivalent)

5 x Tripplite WEBCARDLX

Location: Health Science

1 x 16-Port PoH and 32-Port PoE+ Entry-Level Enterprise-Class Stackable Access Switch (ICX7150-48ZP-E8X10GR or equivalent)

1 x 48-Port PoE+ Switch (ICX7150-48PF-4X10GR-RMT3 or equivalent)

1 x Wireless Network device fan tray (ICX-FAN11 or equivalent)

1 x Power Supply for ICX7150-48ZP or equivalent (RPS20-E or equivalent)

4 x 10G Transceiver Module (10G-SFPP-LR or equivalent)

2 x Twinax Cable (10G-SFPP-TWX-001 or equivalent)

1 x Tripplite SMART UPS 3000VA 2880W AVR 120VPERP 9 OUT 2URM LCD USB DB9 EXTENDED RUN (SMART3000RMXL2U or equivalent)

1 x Tripplite External 48V 3U Rack/Tower Battery Pack Enclosure + DC Cabling for select UPS Systems (BP48V60RT-3U or equivalent)

1 x Tripplite Web Management Accessory Card (WEBCARDLX or equivalent)
1 x Tripplite 4-Post 1U Universal Adjustable Rack-Mount Shelf Kit for Wall-Mount Racks (4POSTRAILKITWM or equivalent)
2 x 1m (3ft) LC UPC to SC UPC Duplex OS2 Single Mode PVC (OFNR) 2.0mm Fiber Optic Patch Cable
2 x 4m (13ft) LC UPC to SC UPC Duplex OS2 Single Mode PVC (OFNR) 2.0mm Fiber Optic Patch Cable
6 x RUCKUS R610 Indoor 802.11ac Wave 2 Wi-Fi Access Point for Dense Device Environments (901-R610-US00 or equivalent)
6 x Ruckus Secure Mounting Bracket (902-0120-0000 or equivalent)

Location: Agricultural / Veterinary Nursing
1 x 16-Port PoH and 32-Port PoE+ Entry-Level Enterprise-

EXTENDED RUN (SMART2200RMXL2U or equivalent)

4 x Tripplite Web Management Accessory Card (WEBCARDLX or equivalent)

4 x Tripplite 2-Post Heavy-Duty 2-post Front Mounting Ear Kit (UPSHDEARKIT or equivalent)

2 x 1m (3ft) LC UPC to SC UPC Duplex OS2 Single Mode PVC (OFNR) 2.0mm Fiber Optic Patch Cable

2 x 4m (13ft) LC UPC to SC UPC Duplex OS2 Single Mode PVC (OFNR) 2.0mm Fiber Optic Patch Cable

9 x Ruckus Zoneflex R650 Indoor Wi-Fi 6 (802.11ax) 4x4:4 Wi-Fi Access Point with 2.5Gbps backhaul and 6 spatial streams (901-R650-US00 or equivalent)

9 x Ruckus Secure Mounting Bracket (902-0120-0000 or equivalent)

Location: Living Center North East

2 x 16-Port PoH and 32-Port PoE+ Entry-Level Enterprise-Class Stackable Access Switch (ICX7150-48ZP-E8X10GR or equivalent)

2 x Wireless Network device fan tray (ICX-FAN11 or equivalent)

2 x Power Supply for ICX7150-48ZP or equivalent (RPS20-E or equivalent)

4 x 10G Transceiver Module (10G-SFPP-LR or equivalent)

2 x Twinax Cable (10G-SFPP-TWX-001 or equivalent)

1x Tripplite SMART UPS 3000VA 2880W AVR 120VPERP 9 OUT 2URM LCD USB DB9 EXTENDED RUN (SMART3000RMXL2U or equivalent)

2 x Tripplite External 48V 3U Rack/Tower Battery Pack Enclosure + DC Cabling for select UPS Systems (BP48V60RT-3U or equivalent)

1 x Tripplite Web Management Accessory Card (WEBCARDLX or equivalent)

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7. Vendor will provide online training services for I.T. staff
8. Vendor will provide configuration and deployment support assistance for initial deployment
9. I.T. staff will physically install and configure all switches on site
10. Equipment will be shipped by Nov6(l)-2(b)10(e)-3(s)4(hi)-rbDC q6G( )]TJETQ0l1os2 Tf1 0 0 1 84. 612 7