

2015-2016 E-Rate Category 2 for Silverton High School

1. Infrastructure

a. Network Drops:

- i. **86 (eighty six) Cat 6A data drops will be provided and installed in the ceilings of Silverton High School**
 1. Connectors: **Leviton eXtreme 10G QuickPort Connector, Cat 6A, Yellow (Part: 6110G-RY6) or equivalent**
- ii. Installation of Twisted Pair CAT 6A or higher cabling, as specified in ANSI/TIA-568-C.2, will be routed to patch panels from APs located in different zones of the building. No run over 300 ft. Schematic will be provided upon on-site walk-through inspection (required)
- iii. Each cable will be terminated in ceiling above AP with 1 port RJ45 surface mount box and a minimum 10 foot service loop
- iv. Include patch cords for APs and switches
 1. Yellow Cat 6A snag-less patch cables
- v. Cabling must be hung above ceiling using hangers and not laid on the ceiling tiles
- vi. All new CAT6A cable must be tested to BICSI standards for ten gigabit per second Ethernet
- vii. All installed cabling and associated parts must be warranted for a minimum of 1 year after completion of install

b. Patch Panels:

- i. **5 (five) Leviton Shielded QuickPort Patch Panel, 48-port, 2RU (Part: 4S255-S48) or equivalent will be provided and installed**
- ii. Patch panels must be compatible with existing equipment
- iii. Patch panels and ports will be labeled according to local policy

c. Access Point Enclosures:

- i. **5 (five) Oberon 1015-C AP enclosures or equivalent will be provided and installed for access points located in gymnasiums**
- ii. Lift access will be provided by the school district

2. Equipment

a. Access Points:

- i. **92 (ninety two) Aruba IAP-215-US Access Point or equivalent will be provided and installed**
- ii. Access Points will be configured by school district employees & installed by the contractor
- iii. Appropriate mounting hardware must be included (for instance, **Aruba part AP-220-MNT-W1** for hard ceilings)
- iv. Lifetime hardware warranty at no additional cost
- v. Lifetime software feature updates, bug fixes, and patches at no additional cost

- vi. Virtual clustering (virtual controller) up to 64 access points per cluster with no extra hardware or software required to manage the virtual cluster (virtual controller)

3. General

- a. All work is contingent upon E-Rate and local funding
- b. On-site pre-project walk through inspection is required to bid on the Infrastructure portion of this project
- c. The school district reserves the right to award all, some or no portions of the project to a single or multiple vendors
- d. Any software, license(s), setup, training and support needed must be included in the proposal
- e. Proposals will be ranked using the following criteria
 - i. 30%: Price of the eligible products and services
 - ii. 25%: Price for ineligible products, services, and fees
 - iii. 20%: References, experience, and capabilities of vendor
 - iv. 15%: Compatibility with existing infrastructure and equipment
 - v. 10%: Warranty