

ERATE NETWORK EQUIPMENT & SUPPORT

Q&A

Tuesday, March 14, 2023

Q: Core Switch requested:

Q: Port Count?

A: Prefer 24 Ports (SFP+). Minimum required 10 Ports.

Q: Fiber Up Links?

A: 4 (1/10/25/50GbE)

Q: Transceivers: type and quantity?

A: Type: 10GBase-LR SFP+ Quantity: 1 - open to vendor recommendations

Q: Dual PS?

A: If vendor recommends.

Q: Any type of specific Routing? Protocols?

A: See current Switch Map/Routing. (Contact School Directly for Switch Routing Map)

Other Information: Current Core Switch looking to update is an Alcatel Lucent 6900-X20.

Q: Edge Switches:

Q: What type of Uplink is Required?

A: 1G/10G

Q: Transceivers: type and quantity?

A: Type: 10G SFP+ Quantity: 1 - open to vendor recommendation

Q: Do you need ALL ports to be Multi-GB Capable?

A: No necessarily. I will take recommendations from the vendor.

Q: Do you require 25Gbps or is 10Gbps acceptable?

A: 10Gbps is acceptable.

Q: Do you have a required Rack Space Depth?

A: Depends on the Rack. For most closets/racks - no depth concerns.

- Racks 6 & 7 are mounted to a wall limiting the depth.
 - Rack 7 has a depth of 18.5 inches.
 - Rack 6 has a depth of 19.75 inches.

Other Information: Current Edge Switches looking to update our Alcatel Lucent OS6450, OS6450X.

Q: WAPs:

Q: Is 5Gbps required or is 2.5Gbps acceptable?

A: 2.5 Gbps is acceptable.

Other Information: Current WAPs looking to update our HPE Aruba AP-315 & HPE Aruba AP-324

Q: How many of the switches need to be 2.5 or 5GB?

A: All switches need to be a minimum of 10GB.

Q: How many switches are planned to be in each rack?

A: There are 9 total Racks, each one in a different communication closet/area.

- Rack 1 (Elem Core MDF) - (1)Core Switch. (1) 48 Port Switch.
- Rack 2, 3, 4 (Elem IDF) - (2) 48 Port Switch. (1) 24 Port Switch.
- Rack 5 (Old MS Core) - (1) 48 Port Switch. (1) 24 Port Switch.
- Rack 6 (HS Library) - (2) 48 Port Switch. (1) 24 Port Switch.
- Rack 7 (Sup's Office) - (1) 24 Port Switch.
- Rack 8 (New MS) - (2) 48 Port Switch.
- Rack 9 (New MS) - (3) 48 Port Switch
- Football Stadium - (1) 12 Port Switch.
- New Auditorium - (1) 12 Port Switch.

Q: Is there fiber between closets?

A: Yes. Contact School Directly for a Switch Routing Map.

Q: Is there a current floor plan/wiring plan?

A: Yes. To see a Floorplan of all buildings for this project click the links below.

[HS/MS Floorplan](#)

[Elementary Floorplan](#)

Q: Does there happen to be a floor plan with the current wireless network?

A: I do have a floor plan for the current wireless Network. (this does not include the new MS).

[Current HS/MS Floorplan - Wireless Network](#)

[Elementary Floorplan - Wireless Network](#)

Q: What make and model are you using for your access points currently?

A: Current WAPs looking to update our HPE Aruba AP-315 & HPE Aruba AP-324

Q: What make and model are you currently using for your switches?

A: Current Edge Switches looking to update our Alcatel Lucent OS6450, OS6450X.

Q: Is Bluetooth a mandatory requirement?

A: Yes.

Q: Will we be able to do a wireless site survey?

A: Yes. That would be incredibly beneficial to this project.

Q: Will you have an AP in every classroom, hallway, and auditorium?

A: An AP in every classroom and every common area. High-density APs for Gym, Cafeteria, and Auditorium.