

NEW ALBANY SCHOOL DISTRICT

E-Rate Network Switches

RFP #5016

The New Albany School District (NASD) plans to purchase equipment to include network switches. NASD wishes to collect bids on this project. It is the vendor's responsibility to ensure that the services proposed meets the specifications stated within this document.

All questions regarding this project should be emailed to Robert Garrett - rgarrett@nasd.ms

All vendor questions and customer answers will be added to the bottom of a Google Document for all vendors to see. You can access the google doc at this web URL -

All bids will be due by 2:00 PM on February 18, 2020

Send them % Robert Garrett

Bid Requirements:

1. Bids for the following equipment required.

New Albany Elementary School:

- 2 - 24 port Switches with specs exactly the same as the Ruckus 7450.
- 3 years of support for each switch similar to Ruckus watchdog remote support.
- 2 Exhaust airflow fans ICX-FAN10-E
- 2 - 100 watt AC PSU RPS16-E
- 2 - 4port module with exact specs of the ruckus ICX7400-4X10GF

New Albany Middle School:

- 1 - 24 port Switches with specs exactly the same as the Ruckus 7450.
- 3 years of support for each switch similar to Ruckus watchdog remote support.
- 1 Exhaust airflow fans ICX-FAN10-E
- 1 - 100 watt AC PSU RPS16-E
- 1 - 4port module with exact specs of the ruckus ICX7400-4X10GF

New Albany High School:

- 1 - 48 port Switches with specs exactly the same as the Ruckus 7450.
- 3 years of support for each switch similar to Ruckus watchdog remote support.
- 1 Exhaust airflow fans ICX-FAN10-E
- 1 - 100 watt AC PSU RPS16-E
- 1 - 4port module with exact specs of the ruckus ICX7400-4X10GF

New Albany School District Central Office

- 2 - 24 port Switches with specs exactly the same as the Ruckus 7450.
- 3 years of support for each switch similar to Ruckus watchdog remote support.
- 2 Exhaust airflow fans ICX-FAN10-E
- 2 - 100 watt AC PSU RPS16-E
- 4 - 4port module with exact specs of the ruckus ICX7400-4X10GF

New Albany Vocational School:

- 1 - 48 port Switches with specs exactly the same as the Ruckus 7450.
- 3 years of support for each switch similar to Ruckus watchdog remote support.
- 1 Exhaust airflow fans ICX-FAN10-E
- 1 - 100 watt AC PSU RPS16-E
- 1 - 4port module with exact specs of the ruckus ICX7400-4X10GF

1. Switch Technical Requirements

- 1 The switches must include stacking capabilities that include:
 1. Stacking up to 12 switches per stack
 2. Stacking via standard Ethernet ports using standard Ethernet cables and optics

3. Stacking at distances up to 10km
 4. Stack In-service software upgrade (ISSU) – ability to upgrade switches in a stack one at a time without taking the entire stack down
- 2 Switches must support the capability to manage up to 36 switches as a single IP address (one management touch point).
 - a. Switches do not need to be part of the same switch family
 - b. Do not require Spanning Tree Protocol (STP)
 - c. Entry-level switches to inherit advanced L3 features from aggregation/core switch
- 3 Switches must support OpenFlow 1.3
 - a. Including Hybrid Port Mode which supports SDN flows as well as traditional network flows over the same port.
- 4 Switch must be able to upgrade uplink speeds without needing to purchase additional hardware (new switches or new modules)
- 5 Switches support support PoE power up to 90 watts per port – compatible with IEEE 802.3bt (pending ratification).
- 6 Switches must be able to, or upgradable to, support PoE+ (30 watts) on all ports. (i.e. up to 720 Watts on 24-port switches or up to 1440 Watts on 48-port switches)
- 7 Switch must be able to support multi-gigabit 2.5GbE (802.3bz) on at least 16 ports.
- 8 Switch must be able to support PoE and silent operation (no fan operation) in:
 - a. 12-port (compact) switch
 - b. 24-port switch
 - c. 48-port switch
- 9 Must provide a 12-port switch with:
 - a. PoE power on all ports
 - b. L3 services
- 10 All switches must support the same operating system software
- 11 Switches must support sFlow
- 12 Switches must provide lifetime warranty with next business day replacement and lifetime software upgrades.

**ALL BIDS SHOULD BE MAILED TO OR HAND DELIVERED TO:
NEW ALBANY SCHOOL DISTRICT
ATTENTION: Robert Garrett
301 HIGHWAY 15 NORTH**

NEW ALBANY, MS 38652

Also, will all of this equipment ship to a central location such as New Albany High School or should they be shipped to the various locations such as Elementary School, Middle School, High School, and Alternative Schools? **Shipped to each school.**