

## **Knox Community School Corp - Wireless AP Upgrade Project**

Knox Community School Corporation currently uses Meru wireless systems for all wireless networking. 1 MC3200 is used as the main controller running software version 6.1-1-25. 1 MC3200 is configured as the Nplus1 backup controller. 1 SA2000 Server is running E(z)RF Applications Suite and the software version is 6.1-2-28.

At Knox Community High School there are 40 Meru 832 Wireless Access Points in use. This project will require the addition of 1 Meru 832i located in room B200. A run of approximately 130 feet of Cat6 cable to connect the access point to the appropriate switch is required. Cable termination with Cat6 rated RJ45 connector is required.

Knox Community Middle School currently has 33 Meru 320i access points. The project will require the replacement of all 33 access points with Meru 832i access points. In addition to the access point replacements, 1 additional access point will be installed in the guidance office. A run of approximately 150' of Cat6 cable to connect the access point to the appropriate switch is required. Cable termination with Cat6 rated RJ45 connector is required. 1 additional access point will be installed in room A104 in the center of the room. A run of approximately 200' of Cat6 cable to connect the access point to the appropriate switch is required. Cable termination with Cat6 rated RJ45 connector is required.

Knox Community Elementary School currently has 38 Meru 320i access points. The project will require the replacement of all 38 access points with Meru 832i access points. In addition to the access point replacements, 1 new Meru 832i will be installed in room 610, toward the west end of the room. A run of approximately 150' of Cat6 cable to connect the access point to the appropriate switch is required. Cable termination with Cat6 rated RJ45 connector is required.

All controller programming and AP configuration/updates is to be included as part of the project.

### **In summary:**

#### **Knox Community High School:**

Add 1 832i, including cable pull and termination.

#### **Knox Community Middle School:**

Replace 33 existing AP's with 832i.

Add 2 832i, including cable pulls and terminations.

#### **Knox Community Elementary School:**

Replace 38 existing AP's with 832i.

Add 1 832i, including cable pull and termination.