

Access Control Upgrades at Various WPS Locations

Request for quote for installation of the following with integration into the WPS network infrastructure:

- Twenty (20) Door Controllers
- Nine (9) Exterior Video Stations
- Eight(8) Card Readers

Hardware:

- AXIS A1210 Powered by Genetec Network Door Controller: **SY-A1210G-AMER**
- AXIS A8207-VE Mk II Network Video Door Station: **02026-001**
- HID multiCLASS SE RP40: **920PTNTEK00000**
- AXIS A9801 Security Relay: **5801-141**

Installation must be completed no later than **90 days ARO**.

INSTALLATION SITES:

Greendale Head Start - 130 Leeds St, Worcester 01606

Worcester Arts Magnet - 315 St. Nicholas Avenue, Worcester 01606

Wawecus Road Elementary - 20 Wawecus Road, Worcester 01605

Midland St School - 18 Midland St, Worcester 01602

NCC-Secondary - 1407A Main Street, Worcester, MA 01603

Goddard School of Science & Technology - 14 Richards Street, Worcester 01603

Heard Street Discovery Academy - 200 Heard Street, Worcester 01603

Sullivan Middle School - 140 Apricot Street, Worcester 01603

Door Controller Installation Requirements:

- Door Controller will be installed, wired, and connected to the specified door electric strike, video station or card reader, door contacts and CAT6 ethernet network connection.
- The door controller will be mounted inside the building above the door it will control.
- Door contacts will be installed on the door frame and wired to the door controller for each door controlled. Door contact will be connected to a Normally Closed (NC) input.
- Door contact magnet will be installed on the door slab.
- Electric Strike will be installed, wired to the door controller, and wired to 'Fail Secure' unless otherwise prohibited by building code. (Magnetic)
- An I/O wire will be installed between the door controller I/O1 port and I/O4 on the Video Station. UL listed or R/C AWM wires that have a conductor gauge range of AWG 22–14 shall be used.
- The vendor must confirm the full door controller functionality with the WPS IT Department.

Video Station Installation Requirements:

- The video station will be installed utilizing a proper bracket on the exterior of the building at the door specified by the WPS.
- Video station will be mounted per Axis documentation and recommended height (1-1.6m from the ground)
- Must be connected to a CAT6 ethernet network connection (existing or new installation)
- The video station built-in card reader must be wired to a new or existing door controller for the specified door.
- When applicable, existing video station will be removed prior to installing a new video station.
- The vendor must confirm full video station and card reading functionality with the WPS IT Department.

Card Reader Installation Requirements:

- Card reader will be mounted per manufacturer specifications.
- Card reader will be wired to the door controller for the specified door
- ALPHA Communication and Control 1295C (22 AWG) 5 conductor minimum stranded with overall shield cable or equivalent will be used for connection to the door controller.
- The vendor must confirm full card reader functionality with the WPS IT Department.

Wiring and Mounting General Requirements:

- Installation of one (1) - Category 6 (CAT-6) plenum cable to each predetermined location.
- All provided Cat6 (patch cable or plenum bulk) will be Yellow in color.
- All wiring potentially exposed to the weather will use weather-tight connections.
- Vendors will be required to terminate to the nearest backbone IDF. If there are insufficient open ports available on the existing patch panels to punch down data drops, a new Cat-6 patch panel will be installed by the vendor. (Belkin, Commscope, Hubble)
- Vendors may be required to run cabling further than the nearest IDF.
- No wire run will exceed CAT 6 specified maximum distance of 100 Meters.
- Any CAT6 run that exceeds the normal limit of 100 Meters, *MUST* use Paige Datacom Solutions Game Changer CAT6 cable. Use of Game Changer cable must be limited to 200 Meters.
- Any CAT6 run beyond 100 meters must be certified to a minimum of 1Gbps and capable of IEEE 802.3at (PoE+) standard for power delivery.
- Vendor is responsible for providing all patch panels, connectors, hangers, patch cables, mounting hardware and any other supplies necessary to provide a complete (turnkey) installation.
- Hangers must be used above ceiling tiles and may not be laid on top of tiles.
- Any wiring done below the ceiling must be piped in EMT unless otherwise authorized by the WPS IT Department.
- Vendor is responsible for providing watertight connections for exterior-mounted cameras and intercoms.
- All interior penetrations must be fire-stopped and the exterior caulked.

School	Location	Controller	Reader/Video Station
Greendale Head Start	Main Door - Leeds St	New A1210	Tie in to existing A8207 Video Station
	Rear Door - Parking Lot	New A1210	Tie in to existing A8207 Video Station
	Side Door - Fairhaven	New A1210	Tie in to existing A8207 Video Station
	Side Door - Francis St	New A1210	New A8207 replacing existing intercom
Worcester Arts Magnet	Main Door	New A1210	New A8207 replacing existing A8004
	Rear Gym Vestibule	New A1210	New HID Reader
	Ext. Door near 1B	New A1210	New HID Reader
	Rear Door near Room 5	New A1210	New HID Reader
Wawecus Road Elementary	Main Entrance	New A1210	New A8207 replacing existing A8004
	Side Parking Lot Door	New A1210	New HID Reader
	Rear Entrance between Rooms 9 &10	New A1210	New HID Reader
Midland St Elementary	Huntley St Door	New A1210	New A8207
NCC-Secondary	Main Entrance	New A1210	New A8207 replacing existing A8004
	Lower Level Side Door	New A1210	New HID Reader
Goddard School of Science and Technology	Building 1 - Richards St (Main Entrance)	New A1210	New A8207 replacing existing A8004
	Building 1 - Side Door between Admin and Library	New A1210	New HID Reader
Heard St Discovery Academy	Main Entrance	New A1210	New A8207 replacing existing A8004
	Rear Door between Rooms 1 & 3	New A1210	New HID Reader
Sullivan Middle School	Main Door	New A1210	New A8207 replacing existing A8004
	Gym Vestibule	New A1210	New A8207