



	Network Switch Gear	Cisco	C9300-48UXM-EDU	Essentials	6
	Network Switch Gear	Cisco	C9300-48P-EDU	Essentials	6
	Network Switch Gear	Cisco	C9300-NM-8X		5
	Network Switch Gear	Cisco	SFP-10G-SR-S		2
	Network Switch Gear	Cisco	STACK-T1-50CM=		5
	Network Switch Gear	Cisco	STACK-T1-1M=		7
	Network Switch Gear	Cisco	CAB-SPWR-30CM=		5
	Network Switch Gear	Cisco	CAB-SPWR-150CM=		7
	Network Switch Gear	Cisco	PWR-C1-1100WAC		6
	Wireless Access Point	Fortinet	FAP-431F		50
	Wireless Access Point	Fortinet	FAP-433F		6
	<b>Descriptor</b>	<b>Manufacturer</b>	<b>Part Number SKU</b>		<b>Qty</b>
<b>Ellen Hopkins (CAT2)</b>	Wireless Access Point	Fortinet	FAP-431F		54
	Wireless Access Point	Fortinet	FAP-433F		6
	<b>Descriptor</b>	<b>Manufacturer</b>	<b>Part Number SKU</b>	<b>Network License</b>	<b>Qty</b>
<b>Probstfield (CAT2)</b>	Network Switch Gear	Cisco	C9300-48P-EDU	Advantage	2
	Network Switch Gear	Cisco	C9300-NM-8X		2
	Network Switch Gear	Cisco	STACK-T1-50CM=		2
	Network Switch Gear	Cisco	CAB-SPWR-30CM=		2
	Network Switch Gear	Cisco	PWR-C1-1100WAC		1
	<b>Descriptor</b>	<b>Manufacturer</b>	<b>Part Number SKU</b>		<b>Qty</b>
<b>S.G. Reinertson (CAT2)</b>	Wireless Access Point	Fortinet	FAP-431F		48
	Wireless Access Point	Fortinet	FAP-433F		10

	Descriptor	Manufacturer	Part Number SKU		Qty
West Central Academy (CAT2)	Wireless Access Point	Fortinet	FAP-431F		10
	Wireless Access Point	Fortinet	FAP-433F		0

#### Equipment requirements

- 48x 1G RJ-45 ports with PoE+ and 36x 2.5G & 12x mGig RJ-45 ports with UPoE
- Layer 2, Routed Access (RIP, EIGRP Stub, OSPF – Up to 1000 routes), PBR, PIM Stub Multicast (up to 1000 routes), PVLAN, VRRP, PBR, CDP, QoS, FHS, 802.1x, Macsec-128, CoPP, SXP, IP SLA Responder, SSO
- PoE+ switches must have at least an 715W AC power supply, with at least 437W of available PoE power
- UPoE switches must have at least an 1100W AC power supply, with at least 490W of available PoE power
- Must have modular uplinks and uplink modules must support at least 10G per port
- UPoE switches must have at least 12x mGig downlink ports and all other downlink ports should be at least 2.5G
- Must support dual redundant power supplies
- All switches defined in this section of the requirements must be the same series/product family and 100% compatible power and data stacking with each other
- Must support StackWise with up to 8 members per stack and stacking bandwidth of at least 480 Gbps
- Must support StackPower for redundant/shared power stacking
- Must include 2-post mounting hardware
- Must include any necessary licensing for operating the equipment at the license level defined in the Network License column of this sheet (defined at [https:// goo.gl/7WbPQJ](https://goo.gl/7WbPQJ)) with at least a 5 year term
- Lifetime next-business-day (NBD) hardware replacement for switches
- Scoring preference may be given for switches with higher warranty, enhanced feature set or replacement levels
- All equipment must be new and from an authorized reseller of the manufacturers product for which they are quoting. No refurbished or “grey-market” gear will be accepted