

1. TECHNICAL SPECIFICATIONS

1.1 48 Port Rack Mounted Switch

	5x 48 port rack mounted switch CX 6100 48G Class4 PoE 4SFP+ 370W Switch
48 port rack mounted switch Specifications	
Product	48 x 1 0/1 00/1 OOOBASE-T ports 4x IG/IOG SFP ports Supports POE standards IEEE 802.3af, 802.3at 1 x USB-C console port 1 x USB Type-A host port
Power consumption:	Max Power (w/o POE): 32.7W Max Power (w/ POE): 455W
Input voltage:	100-127 VAC / 200-240 VAC
Ports:	ports 10/100/1 OOOBASE-T ports 4x IG SFP ports
Switch type:	Managed
Switch layer	Layer 2
Power Supply	Fixed power supply
Routing capabilities	Static
Switching capacity	128 Gbps
Throughput	98.6 Mpps
Memory and processor:	CPU: Dual-core Arm@ Cortex-A9 @ 1 016 MHz Memory: 4 DDR3 Flash: 16 GB eMMC
POE capability:	370W Class 4 PoE/PoE+
Latency	1 Gbps: 1 .9 pSec , 10 Gbps: 1 .8 pSec
SIMILAR TO HPE Aruba Networking CX 6100 48G Class4 PoE 4SFP+ 370W Switch	



1.2 8 Port Rack mounted Switch

8 port rack mounted switch Specifications

	15x CloudEngine S5735I-S8U4XN-V2_Site1 S5700 Series Ethernet (8*10/100/1000BASE-T ports, 4*10GE SFP+ ports, PoE++, DIN Rail Mounting, Dual redundant 54 to 57V DC power, Fanless) including outdoor housing
Product	8x ports 10/100/1000BASE-T Ports 4x 10GE SFP+ ports PoE++ AC power Specially protected models
Power consumption:	Without PoE: 21.7 W Full PoE load: 421.7 W (PoE: 400 W)
Input voltage:	DC input: 54 V DC to 57 V DC (PoE/PoE+/PoE++) 48 V DC (PoE)
Ports:	8x ports 10/100/1000BASE-T ports 4x 1G SFP ports
Switch type:	Managed
Switch layer	basic Layer 3 routing
Power Supply	Built-in AC power
Routing capabilities	Static
Switching capacity	336 Gbps
Throughput	252 Mpps
Dimensions	235.0 mm x 120.0 mm x 205.0 mm (9.25 in. x 4.72 in. x 8.07 in.)
Memory and processor:	CPU Dual-core processor (Embedded CPU, ARM-based architecture) Flash Memory 512 MB DRAM (RAM) 1 GB
PoE capability:	370W Class 4 PoE/PoE+



1.3 24 Port SFP Switch

24 port rack mounted switch Specifications

		1x CX 6300M 24-port SFP+ and 4-port SFP56 Switch 1x X371 250W PSU
Product	24 x 1G/10G SFP+ ports 4 x 1G/10G/25G/50G [4] SFP ports	
Power consumption:	Idle: 51W 100% Traffic Rate: 85W	
Input voltage:	JL085A PSU: 100V–240V	
Ports:	24 x 1G/10G SFP+ ports 4 x 1G/10G/25G/50G [4] SFP ports 1 x USB-C console port 1 x USB Type-A host port 1 x OOBM port	
Power Supply	2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately). Supports JL085A PSU.	
Routing capabilities	Static	
Switching capacity	880 Gbps	
Throughput	654 Mpps	
Dimensions	4.4 x 44.2 x 38.5 cm (1.73 x 17.4 x 15.2 in)	
Memory and processor:	CPU: Dual-core Arm® Cortex-A9 @ 1.8GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration	
Management features	Management flexibility with support for HPE Aruba Networking Central, easy-to-use Web GUI, CLI	
Latency	1 Gbps: 2.28 µs 10 Gbps: 1.46 µs 25 Gbps: 1.90 µs 50 Gbps: 3.49 µs	



1.4 Supply, Delivery and Installation of 75" Interactive LED Touch Panels (Including Mobile Stand and Wall Mount Option) – Quantity: 20

EXAMPLE		QUANTITY REQUIRED
 Interactive LED Touch Panel with Mobile Stand & Wall Mount Option includes Mobile Stand / Trolley stands stand.  Wall Mount Bracket (for wall installation option)		Quantity: 20 Units
Specifications		
Core Requirements	• Interactive LED Touch Panel Display (Samsung or Equivalent) • 4K Ultra HD Resolution • Screen Size: 75 • Multi-Touch Capability • 40 touch points (Windows) • 20 touch points (Android) • Built-in Android 13 • Minimum 8GB RAM • Minimum 64GB Storage • Quad-Core Processor	
Display & Durability	• 4mm Tempered Glass • Minimum lifespan: 50,000 hours • Suitable for 24/7 operation	
Connectivity	• Wired and Wireless Network • Bluetooth • Wi-Fi (2.4GHz and 5GHz)	



Compatibility	Must support: • Windows • macOS • Android • Linux • Chrome OS
Built-in Features	• Whiteboard / Annotation Software • Multiple Display Inputs • OPS Slot • Built-in Power Management
Mounting Requirements	Each unit must include: • Mobile Stand / Trolley (movable stand) • Wall Mount Bracket (for wall installation option)
Accessories Included	• Remote Control • Power Cable • HDMI Cable • Touch Cable • Wi-Fi Antennas • Installation bolts
Warranty	• Minimum 3-Year Warranty



2. EVALUATION CRITERIA

2.1 Only bidders who attain the minimum qualifying score of 70 out of 100 points for functionality shall be eligible to proceed to the next stages of the bid evaluation process.

No	DESCRIPTION	WEIGHTS	MINIMUM SCORE
1.	<u>Company reference and track records</u> Expertise and experience in relation to the rendering supply and delivery of IT Equipment in the same value as this bid or more in the past 3 year. The company must attach the signed reference letters in respect of service rendered to other clients. 1 Clients = 10 Points 2 Clients = 20 Points 3 Clients = 30 Points 4 Clients = 40 Points 5 Clients = 50 Points 6 Clients = 60 Points Bidders must attach contactable signed reference letters to the client official letterhead for the supply and delivery of IT Equipment.	60	
2.	<u>Infrastructure and Resources</u> Proof of supplier / Manufacture agreement for the period of the contract for Network Switches.	20	
	Proof of supplier / Manufacture agreement for the period of the contract for Interactive Board/ Screens.	20	
	TOTAL	100	70