Network Switch and Accessories Technical Requirements

2 Pieces 48 Port Switch Technical Specifications

I/O ports and slots	48 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only 2 SFP+ fixed 1000/10000 SFP+ ports 1 dual-personality (RJ-45 or USB micro-B) serial console port
Physical characteristics	
Dimensions	17.44(w) x 10.00(d) x 1.75(h) in (44.3 x 25.4 x 4.45 cm) (1U height)
Weight	7.1 lb (3.08 kg)
Memory and processor	
Processor	ARM9E @ 800 MHz, 128 MB flash; Packet buffer size: 3 MB dynamically allocated, 256 MB DDR3 DIMM
Mounting and enclosure	Mounts in an EIA-standard 19-inch telco rack or equipment cabinet (rack-mounting kit available); horizontal surface mounting; wall mounting
Performance	
IPv6 Ready Certified	
100 Mb Latency	< 7.3 µs (LIFO 64-byte packets)
1000 Mb Latency	< 2.7 µs (LIFO 64-byte packets)
10 Gbps Latency	< 4.0 µs (LIFO 64-byte packets)
Throughput	up to 101 Mpps (64-byte packets)
Switching capacity	136 Gbps
MAC address table size	16000 entries
Environment	
Operating temperature	32°F to 113°F (0°C to 45°C)
Operating relative humidity	15% to 95% @ 104°F (40°C), noncondensing
Non-operating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
Non-operating/Storage relative humidity	15% to 90% @ 149°F (65°C), noncondensing
Altitude	up to 10,000 ft (3 km)
Acoustic	Power: 32.2 dB, Pressure: 25.6 dB
Electrical characteristics	
Frequency	50/60 Hz
Maximum heat dissipation	189 BTU/hr (199.4 kJ/hr)
Voltage	100 - 127 / 200 - 240 VAC
Current	0.9/0.5 A
Maximum power rating	55.1 W
Idle power	33.3 W
Notes	Idle power is the actual power consumption of the device with no ports connected. Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated. PoE power is the total power budget available to all PoE ports.
Safety	UL 60950-1; CAN/CSA 22.2 No. 60950-1; EN 60825; IEC 60950-1; EN 60950-1
Emissions	FCC Class A; EN 55022/CISPR-22 Class A; VCCI Class A

Immunity	
Generic	EN 55024, CISPR 24
EN	EN 55024, CISPR 24
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	EN 61000-3-2, IEC 61000-3-2
Flicker	EN 61000-3-3, IEC 61000-3-3
Management	IMC - Intelligent Management Center; command-line interface; Web browser; configuration menu; out-of-band management (serial RS-232C or Micro USB); IEEE 802.3 Ethernet MIB; Repeater MIB; Ethernet Interface MIB
Warranty	Limited Lifetime Warranty

A. The Bidder should be involved in the IT related business operations for at least 5 years.

B. The Bidder must submit the following valid and current:

1. Certified Gold Parter (Certified true copy) issued by product manufacturer
2. Certified Authorized to service (Certified true copy) issued by product manufacturer
3. Certified true copy of after sales support
4. Brochure of technical data sheet of the product offered

Delivery: 30 Calendar Days upon receipt of approved PO and/or upon availability of stocks