

# Network Switch and Accessories Technical Requirements

## 2 Pieces 48 Port Switch Technical Specifications

<b>I/O ports and slots</b>	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
<b>Physical characteristics</b> Dimensions Weight	17.44(w) x 10.00(d) x 1.75(h) in (44.3 x 25.4 x 4.45 cm) (1U height) 7.1 lb (3.08 kg)
<b>Memory and processor</b> Processor	ARM9E @ 800 MHz, 128 MB flash; Packet buffer size: 3 MB dynamically allocated, 256 MB DDR3 DIMM
<b>Mounting and enclosure</b>	Mounts in an EIA-standard 19-inch telco rack or equipment cabinet (rack-mounting kit available); horizontal surface mounting; wall mounting
<b>Performance</b> IPv6 Ready Certified 100 Mb Latency 1000 Mb Latency 10 Gbps Latency Throughput Switching capacity MAC address table size	< 7.3 $\mu$ s (LIFO 64-byte packets) < 2.7 $\mu$ s (LIFO 64-byte packets) < 4.0 $\mu$ s (LIFO 64-byte packets) up to 101 Mpps (64-byte packets) 136 Gbps 16000 entries
<b>Environment</b> Operating temperature Operating relative humidity Non-operating/Storage temperature Non-operating/Storage relative humidity Altitude Acoustic	32°F to 113°F (0°C to 45°C) 15% to 95% @ 104°F (40°C), noncondensing -40°F to 158°F (-40°C to 70°C) 15% to 90% @ 149°F (65°C), noncondensing up to 10,000 ft (3 km) Power: 32.2 dB, Pressure: 25.6 dB
<b>Electrical characteristics</b> Frequency Maximum heat dissipation Voltage Current Maximum power rating Idle power <b>Notes</b>	50/60 Hz 189 BTU/hr (199.4 kJ/hr) 100 - 127 / 200 - 240 VAC 0.9/0.5 A 55.1 W 33.3 W 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.
<b>Safety</b>	UL 60950-1; CAN/CSA 22.2 No. 60950-1; EN 60825; IEC 60950-1; EN 60950-1
<b>Emissions</b>	FCC Class A; EN 55022/CISPR-22 Class A; VCCI Class A

<b>Immunity</b>	
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
<b>Management</b>	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
<b>Warranty</b>	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

