



Our Power-over-Ethernet (PoE) patch panel is a passive device used to supply power via UTP cables to terminal devices equipped with PoE ports. 10BASE-T and 100BASE-TX networks use only two of the four pairs in the twisted-pair cable, located on pins 1 plus 2 and 3 plus 6. The PoE panel injects supply voltage to the 4 plus 5 (+) and 7 plus 8 (-) pins/wires. The front panel has two rows of RJ-45 ports. The ports marked with numbers on a white background (Data) are standard Ethernet ports (inputs), those with a yellow background (Power+Data) are PoE ports for connecting terminal PoE devices (outputs). The maximum distance range of supplying PoE devices is 328ft. The actual range depends on the number of connected devices and their power consumption. The transmission range is also limited by the distances from active devices (switches, routers etc.) to the data ports of the device. The recommended transmission medium is twisted-pair cable Cat 5e or higher. Our PoE patch panel can supply power up to 16 PoE devices.



PCGPPPOE16101UBK





Product specifications

PoE patch panel characteristics

Number of ports	16
Effective U space	1U
Mounting type	Rack mountable
Top and bottom case (1)	SPCC, 1.2mm thickness with black (RAL 9005) finish
RJ45 jack housing and contact brackets (2)	PBT+Glass fiber, UL 94V-0
RJ45 jack contact material and finish (2)	Phosphor bronze with nickel plated, 50 micro-inches gold plated on plug contact area
Insertion force (2)	900gm for 8 contacts
Retention strength (2)	7.7kgs between Jack and Plug
Input voltage range	12-63VDC
Input voltage	48VDC (4A max)
Output voltage	48VDC (0,25A rated)
Max. overall output wattage	160W
Max. wattage to link	10W per each port when all ports are connected up to 30W per port when less than 5 ports are connected
Over current protection	650mA (+15% / -10%)
RJ45 data via PIN	1/2 and 3/6
RJ45 power via PIN	4/5 (+) and 7/8 (-)
LED normal operation	Green
Overload protection	Yes
Short-circuit protection	Yes
Grounding function	Yes, to avoid electromagnetic interference
Operating temperature	0°C to 40°C
Storage temperature	-40°C to 70°C
Operating humidity	10 to 80% RH
Storage humidity	5 to 90% RH

Power supply characteristics

Input voltage / amperaje	100-240VAC / 3.0A
Frequency	50/60Hz
Output voltage / amperaje	48VDC / 3.2A
DC plug	T5 type (Inner diam. 2.5mm, outer diam. 5.5mm, centre positive)

Dimensions

Panel height x width x depth	1,75 x 19 x 0,85 in
Power supply height x width x depth	1,81 x 6,69 x 3,35 in
Includes	18AWG wire, with green/yellow striped, 40cm in length Power cord with Nema 5-15P plug Installation hardware kit

Transmission characteristics

Max. distance supported	100m
Supported data rate - Bandwidth	10/100Mbps - 100Mhz

Certifications and standards

International standards	ANSI/TIA/EIA-568-C.2, ISO/IEC 11801
PoE standard compliant	IEEE 802.3af-2003[2]

Miscellaneous

MPN	PCGPPPOE16101UBK
UPC	798302034396
Labeling	NEXXT SOLUTIONS Power PSE 16 Port PSE Panel
Packaging	Carton box
Quantity per pack	1 unit
Cuft	1,42 per 15units
Warranty	One-year limited warranty**

SPCC: Commercial grade, cold rolled steel sheets