



MCS-ETHERNET-SWITCH-16

Description & Specifications



Description

The **MCS-ETHERNET-SWITCH-16** is a compact, rugged industrial Ethernet switch equipped with sixteen 10/100 Mbps ports. Built for reliable operation in harsh environments, it delivers a cost-effective way to integrate legacy 10 Mbps devices with 100 Mbps fast Ethernet networks.

1. PLUG-N-PLAY — No configuration needed.
2. 16 x 10/100 Mbps auto-negotiating RJ45 ports with auto-MDIX.
3. Wide input voltage range: 12–48 VDC or 24 VAC.
4. Dual redundant power inputs (P1, P2) with fault relay for power-loss monitoring.
5. Rugged metal enclosure, DIN-rail and wall-mount options.
6. Industrial operating temperature range: -40°F to 167°F (-40°C to 75°C).
7. Reverse polarity protected inputs; removable 6-pin terminal block.
8. UL Listed, CE, UKCA, FCC Part 15 Class A compliant.

Optional

(add -N = NO Power Supply)

*Part # **MCS-ETHERNET-SWITCH-16-N**

Specifications

Ethernet Switch

Ethernet ports	16 x RJ45, 10/100 Mbps
Ethernet Standards.....	IEEE 802.3, 802.3u, 802.3x, 802.3az, 802.3/p
Network Interface	Full/half-duplex, auto-negotiation auto-MDIX
MAC address table	16K entries
Jumbo frame.....	Supported
LED indicator.....	P1/P2 Power (Green), LNK/ACT (Green), 100 Mbps Speed (Amber)
Power input.....	12–48 VDC or 24 VAC (±10%), 47–63 Hz
Power consumption.....	5.3 W (DC) / 6 VA (AC)
Power redundancy.....	Dual isolated inputs (P1, P2)
Fault relay	NO contact, 24 VDC @ 1 A max
Connector	6-pin removable terminal block
Dimensions (W x D x H)	66 x 107 x 152 mm (2.60" x 4.21" x 5.98")
Weight	1.65 lb (0.75 kg)
Mounting.....	TS-35 DIN rail or wall-mount
Operating temperature	-40°F to 167°F (-40°C to 75°C)
Storage temperature.....	-40°F to 185°F (-40°C to 85°C)
Operating humidity	5% to 95% non-condensing
Protection rating	IP30
Agency approvals	UL Listed, CE, UKCA, FCC CFR 47 Part 15 Class A

Power Supply (Included)

model.....	MCS-12V-90W-B
Input Voltage.....	85-264 VAC, 47-63Hz
Output.....	12 vdc, 7.5 A, 90W
Efficiency	88%
Protections.....	Short circuit, overload, over voltage, over temp
Agency approvals.....	UL508, CE

Kit Includes

MCS-ETHERNET-SWITCH-16
MCS-12-90W-B Power Supply
DIN Rail Mounting Kit
7 ft CAT5e Patch Cord, Blue



Packaging

Ship Weight	2.30 lb (approx)
Box Dimensions.....	6" x 6" x 6"(approx)

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