Stride® Managed Industrial Ethernet Switches

16-Port Managed Ethernet Switch

STRIDE SlimLine industrial managed 16-port Ethernet switch, metal housing, operating temperature range of -40 to +75 deg. C, sixteen 10/100BaseT RJ45 Ethernet ports. Redundant power inputs with surge and spike protection, auto-crossover, DIN rail mounting. Supports Store and Forward wire speed switching and full-duplex with flow control. UL/CUL1604 (Class I, Div. 2, Groups A, B, C, D) and CE marked.

2-Year Warranty

SE-SW16M

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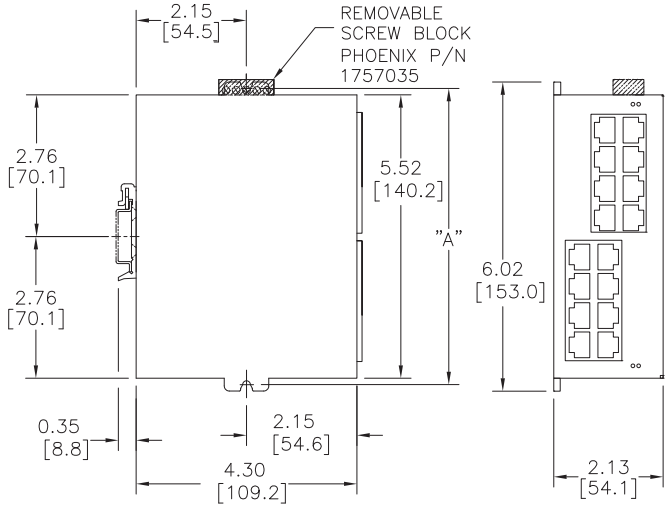
Dimensions

Inches [mm]



SCREW MOUNTING LOCATIONS	
SCREW SIZE	DIM "A"
#6	5.87 [149.1]
#8	5.92 [150.4]
#10	5.97 [151.6]
#12	6.02 [152.9]

ACT/LNK/Speed LED

This is a bi-color **(green/yellow)** LED on models with one LED per RJ45 port.

ON Solid (not flashing)	Indicates that there is a proper Ethernet connection (Link) between the port and another Ethernet device, but no communications activity is detected.
Flashing	Indicates that there is a proper Ethernet connection (Link) between the port and another Ethernet device, and that there is communications activity.
Green	A 100 Mbps (100BaseT) connection is detected.
Yellow	A 10 Mbps (10BaseT) connection is detected.
OFF	Indicates that there is not a proper Ethernet connection (Link) between the port and another Ethernet device. Make sure the cable has been plugged securely into the ports at both ends.

Specifications

The following are specifications relevant to the SE-SW16M 16-port Ethernet switch.

Input power (typical with all ports active at 100 Mbps)	7W
Weight	12 oz (0.34 kg)
Power connector max. screw torque	5.0 lb-in (0.57 Nm)

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Specifications for SE-SW16M

General Specifications	
Ethernet switch type	Industrial Ethernet managed switch with 16 ports
Operating mode	Store and forward wire speed switching, non-blocking. Broadcast and multicast storm protection
Devices supported	All IEEE 802.3 compliant devices are supported
Ethernet compliance	IEEE 802.3 (10Mbps Ethernet supports legacy devices) IEEE 802.3u (Fast Ethernet 100Mbps for newer devices) IEEE 802.3x (Full-Duplex with Flow Control) IEEE 802.1D/w (Rapid Spanning Tree for redundant rings and Spanning Tree for interoperability) IEEE 802.1p (Priority Queuing – QoS, CoS, ToS/DS) IEEE 802.1Q (VLAN for traffic segregation) IEEE 802.3ab/z
Ethernet protocols supported	SNMPv1 / v2 / v3, RMON, DHCP, SNTP, TFTP, STP, RSTP, QoS / CoS / ToS / DS, IGMPv1 / v2, VLAN (tag and port based), HTTP, HTTPS (SSL and TSL), Telnet, SSH and more
Industrial protocols supported	Modbus / TCP, EtherNet / IP, PROFInet, Foundation Fieldbus HSE and others
MAC addresses	8192 addresses
Memory bandwidth	32 Gbps
Latency (typical)	10M ports 16 µs + frame time 100M ports 5 µs + frame time
Power input (typical - all ports active at 100 Mbps) Redundant input terminals	7W
Input voltage	10-30 VDC (continuous) - Class 2 Power Supply
Reverse power protection	Yes
"OK" output Indicates power and operational status	Voltage same as switch input voltage Maximum current output 0.5 Amp
Transient protection	15,000 watts peak
Spike protection	5,000 watts (10x for 10 µS)
Ethernet isolation	1500 VRMS 1 minute
Operating temperature range	-40 to +75°C (cold startup at -40°C), -40 to +167°F (cold startup at -40°F)
Storage temperature range	-40 to +85 °C (-40 to +185 °F)
Humidity (non-condensing)	5 to 95% RH
Environmental Air	For use in Pollution Degree 2 environment. No corrosive gases permitted
Vibration and shock	IEC60068-2-6, -27 and -32
Agency Approvals	Electrical safety: UL1604 (Class 1, Div 2, Group A, B, C, D) E200031 CSA C22.2/14; EN61010-1, CE Marine and offshore rated per ABS
EMI emissions	FCC part 15, ICES-003, EN55022
EMC immunity	IEC61000-6-2, CE
Eye safety (fiber models)	IEC60825-1, Class 1; FDA 21 CFR 1040.10 and 1040.11
RoHS and WEEE	RoHS and WEEE compliant
Packaging and protection	Aluminum case; IP30

Copper RJ45 Ports:	
RJ45 ports	Shielded RJ45 10/100 fully 802.3 compliant
RJ45 speed and duplex	Configurable or 10/100 auto-negotiating
MDI / MDIX	Auto-mdi / mdix-crossover automatically supports either straight or crossed cables
Polarity	Auto-polarity for automatic correction of crossed TXD and RXD pairs
Modes	Full or half duplex operation with flow control supported on all ports

Console ports: USB and RS232 (RJ45)	
Management interfaces	Text (Telnet and SSH), CLI (command line interface) and SNMP (see the user manual for supported MIBs)
Console ports are located on the bottom surface of the switch.	