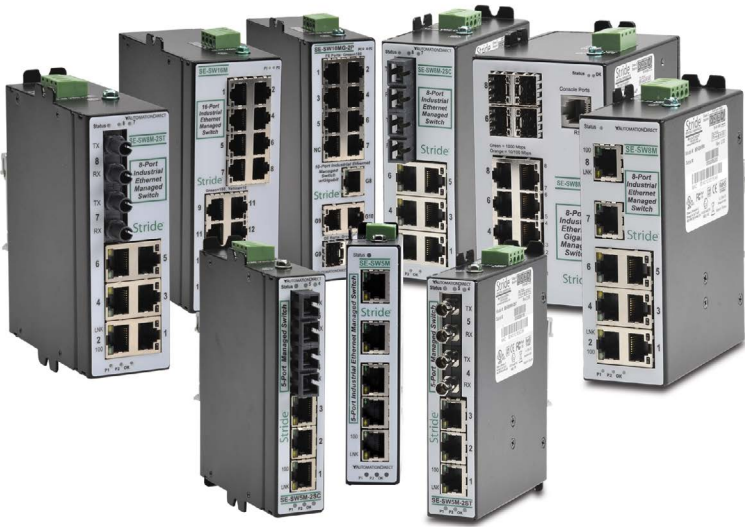
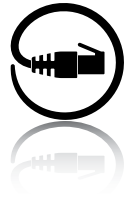


Stride SE Series Managed Switches



Features

- Modbus TCP read capability
- Wide temp range
- DIN-rail mount with integrated panel mount option
- Metal housing
- 12, 24 VDC redundant input
- Gigabit Ethernet (GbE) models
- Haz Loc
- 2-year warranty



RoHS



RoHS Compliant

Stride SE Series Managed Models				
Part Number	Price	Ethernet Ports	Fiber Ports	Input Power (max)
SE-SW5M	\$475.00	5	–	3.6 W
SE-SW5M-2SC	\$640.00	3	2 SC	5.6 W
SE-SW5M-2ST	\$640.00		2 ST	
SE-SW8M	\$625.00	8	–	4.3 W
SE-SW8M-2SC	\$770.00	6	2 SC	6.3 W
SE-SW8M-2ST	\$790.00		2 ST	
SE-SW8MG-4P	\$1,350.00	4 GbE, 4 GbE combo	4 GbE SFP combo*	15W
SE-SW10MG-2P	\$1,249.00	7, 1 GbE, 2 GbE combo	2 GbE SFP combo*	7W
SE-SW16M	\$1,190.00	16	–	

*Optional SFP modules sold separately.

Stride SE Series Managed Industrial Ethernet Switches

Specifications

General Specifications	
Ethernet Switch Type	Industrial Ethernet managed switch with 5 or 8 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
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 TLS), Telnet, SSH and more
Industrial Protocols Supported	Modbus / TCP, EtherNet / IP, PROFINet, Foundation Fieldbus HSE and others
MAC Addresses	2048 addresses
Memory Bandwidth	3.2 Gbps
Latency (typical)	10M ports 16 μ s + frame time 100M & 1000M ports 5 μ s + frame time
Transient Protection	15,000 watts peak
Spike Protection	5,000 watts (10x for 10 μ s)
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 and -27
EMI Emissions	FCC part 15, ICES-003, EN61000-6-4
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	Metal case; IP40
Agency Approvals	Electrical safety: UL Haz Loc (Class 1, Div 2, Group A, B, C, D) E200031 CSA C22.2/14; EN61010-1, CE, Marine and offshore rated per ABS

Power Details	
Power Input	Redundant input terminals
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
Power Consumption	Refer to Stride SE Series Managed Models table

RJ45 Ports	
Port Type	Shielded RJ45
Ethernet Compliance	IEEE 802.3i, 802.3u, 802.3x for 10/100 Ethernet IEEE 802.3ab, 802.3z for Gigabit Ethernet
Auto-Crossover	Yes, allows you to use straight-through or crossover wired cables
Auto-Sensing Operation	Yes, full and half duplex
Auto-Negotiating Speed	Yes
Flow Control	Automatic
Cable Requirements	Twisted pair (Cat5e or better) (shielded recommended)
Max. Cable Distance	100 meters

SC or ST Fiber Port: (100BaseFX multimode)	
100BaseFX Ports	2
Fiber Port Connector	ST or SC, by model
Optimal Fiber Cable	50/125 or 62.5/125 μ m
Center Wavelength	1300 nm
Multimode	Links up to 4 km typ.; > Transmitter power (dBm): -21 min, -17 typ, -14 max > Receiver sensitivity (dBm): -34 typ, -31 max
Nominal Max. Distance (full duplex)	4 km
Eye Safety (laser)	IEC 60825-1, Class 1; FDA 21 CFR 1040.10 and 1040.11

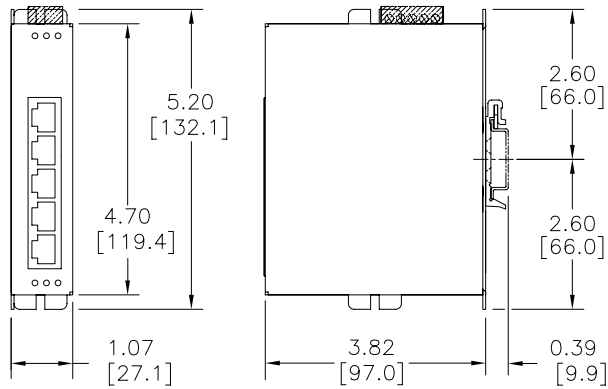
SFP Ports	
SFP (pluggable) ports accept Mini-GBIC (SFP) transceivers with a speed of 1000Mbps or 100Mbps	
See SFP datasheet for optional fiber transceiver specification	

Console ports: USB and RS232 (RJ45)	
Management Interfaces	Browser, Text (Telnet and SSH), CLI (command line interface) and SNMP (see the user manual for supported MIBs)

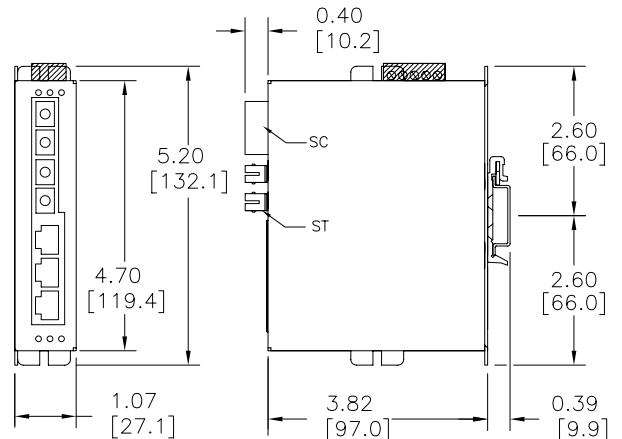
Stride SE Series Managed Industrial Ethernet Switches

Dimensions

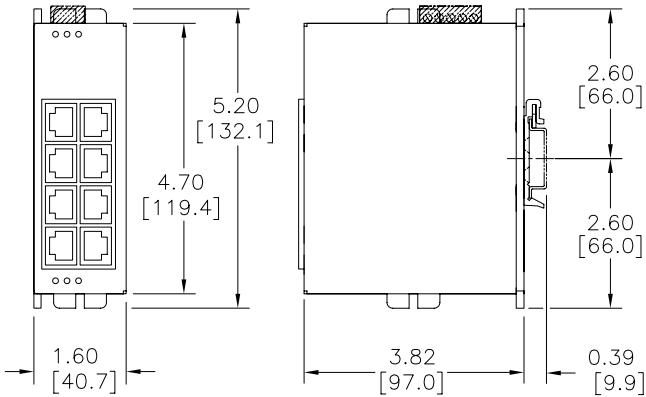
Inches [mm]



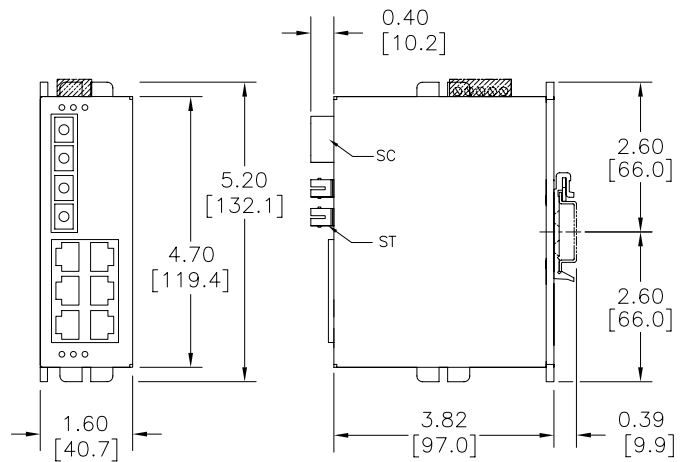
SE-SW5M



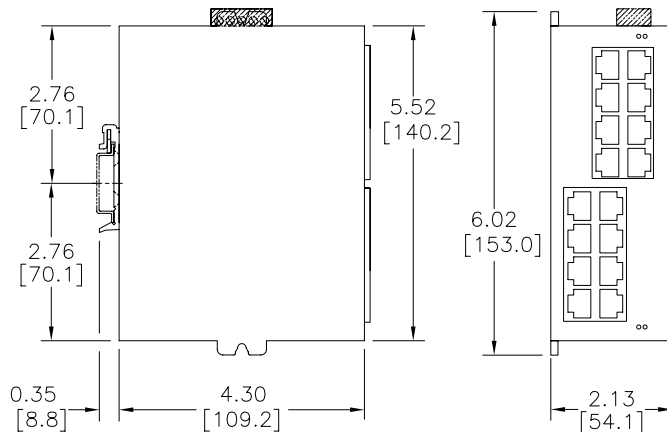
**SE-SW5M-2SC
SE-SW5M-2ST**



SE-SW8M



**SE-SW8M-2SC
SE-SW8M-2ST**



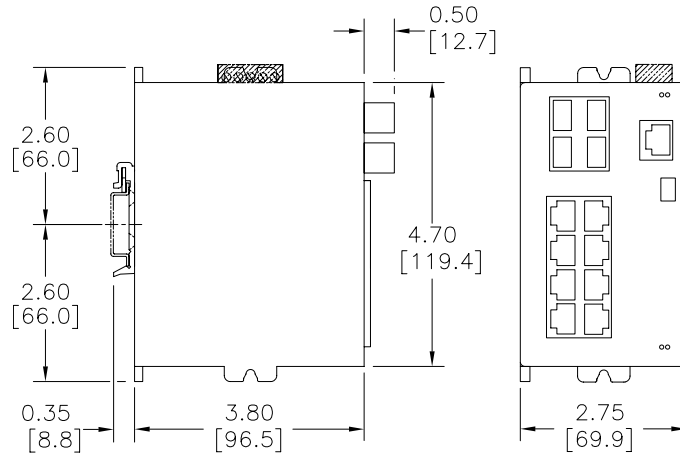
SE-SW16M

See our website: www.AutomationDirect.com for complete engineering drawings.

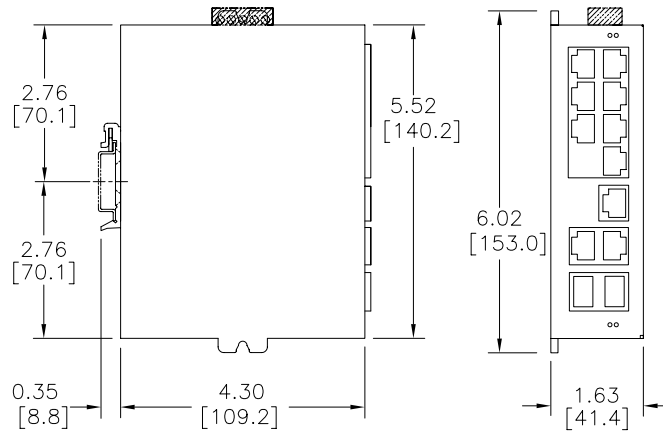
Stride SE Series Managed Industrial Ethernet Switches

Dimensions

Inches [mm]



SE-SW8MG-4P



SE-SW10MG-4P

See our website: www.AutomationDirect.com for complete engineering drawings.

Stride Industrial Ethernet Fiber Transceivers

STRIDE SFP (small form-factor pluggable) transceivers, also called mini-GBIC, are compact, hot-swappable transceivers with LC fiber connectors. The Stride SE2-SW18MG-2P, SE2-SW8M-2P, SE2-SW10UG-2P-T, SE-SW8MG-4P and SE-SW10MG-2P switches have ports that accept these optional transceivers to add fiber connectivity at Fast Ethernet or Gigabit Ethernet speed.



NOTE: PORT SPEED SETTINGS FOR THE STRIDE MANAGED SWITCH MUST BE MANUALLY SET TO 100 MBPS WHEN USING A FAST ETHERNET SFP.

Features

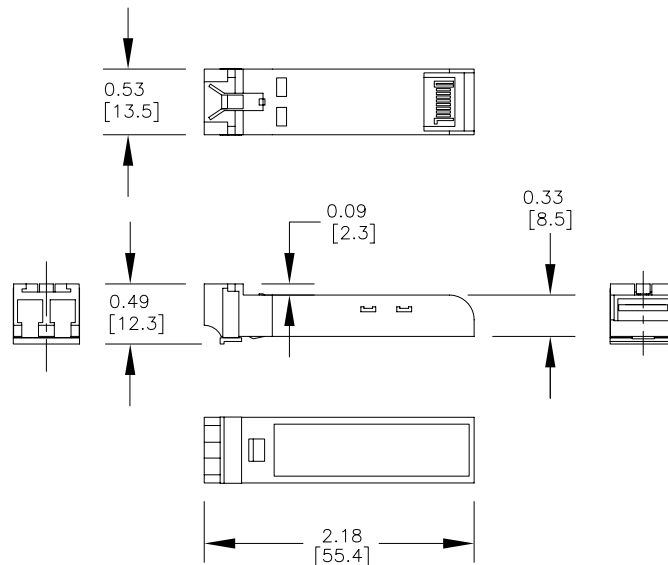
- SFP Multi-Source Agreement compliant
- Serial ID functionality support
- -40° to +85°C operating temperature range
- 5 – 95% humidity (non-condensing)
- Class 1 laser safety standard IEC 60825 compliant
- Hot swappable
- 2-year warranty

Part Number	Mode	Data Rate	Light Source	Max Trans. Distance	Price
SFP-4K-FMF	Multi-mode	Fast Ethernet (155MB)	1310 nm, FP	4km	\$100.00
SFP-30K-FSF	Single-mode			30 km	\$92.00
SFP-500-GMF	Multi-mode	Gigabit (1.25 GB)	850 nm, VCSEL	550m	\$78.00
SFP-2K-GMF			1310 nm, FP	2km	\$60.00
SFP-10K-GSF	Single-mode	Gigabit (1.25 GB)	1310 nm, DFB	10 km	\$82.00
SFP-30K-GSF				30 km	\$84.00

Note: Use only Gigabit speed SFPs with SE2-SW10UG-2P-T

Dimensions

Inches [mm]



See our website: www.AutomationDirect.com for complete engineering drawings.

Stride[®] Managed Industrial Ethernet Switches

Industrial Hardened Full Feature Layer 2 Switch



For detailed specifications on all models, see following pages

		SE Series	SE2 Series
Price			
		starting at \$475 (5 port)	starting at \$429 (8 port)
Full Feature Layer 2 Switch			
		✓	✓
Industrial Temperature Ranges			
<i>Wide Temp</i>		-40 to +75°C	-40 to +75°C
Ethernet Connectivity			
<i>RJ45 Ports</i>		up to 1000 Mbps	up to 1000 Mbps
<i>Fiber Optic Ports</i>		✓	✓
<i>SFP Ports</i>		✓	✓
Port Count			
		5,8,10,16	8,16,18
Industrial Protocol Management			
<i>Modbus TCP</i>		Read	Full Management
<i>EtherNet/IP</i>		—	Full Management
Network Redundancy			
<i>STP/RSTP</i>		✓	✓
<i>Proprietary Fast Recovery</i>		Real-Time Ring	AD-Ring/AD-RP
Mounting			
<i>DIN Rail Mount</i>		✓	✓
<i>Panel Mount</i>		Integrated	Optional accessory
Input Power			
<i>Redundant Power Inputs</i>		✓	✓
<i>Reverse Polarity Protection</i>		✓	✓
<i>Power LED</i>		✓	✓
<i>Power Alarm</i>		✓	✓
Agency Approvals			
<i>UL508 / 61010</i>		✓	✓
<i>Haz Loc-Class 1 Div 2</i>		✓	✓
<i>ATEX Zone 2</i>		✓	—
<i>CE</i>		✓	✓
Warranty			
		2 years	5 years