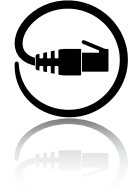


Stride SE2 Series Managed Industrial Ethernet Switches



RoHS Compliant

Stride SE2 Series Managed Models				
Part Number	Price	Ethernet Ports	Fiber Ports	Input Power (max)
SE2-SW8M	\$429.00	8	—	8.1 W
SE2-SW8M-2P	\$645.00	6	2 GbE SFP*	9.1 W
SE2-SW8M-2C1	\$539.00		2 SC	8.1 W
SE2-SW8M-2T1	\$539.00		2 ST	
SE2-SW16M	\$829.00	16	—	18W
SE2-SW18MG-2P	\$1,249.00	16, 2 GbE combo	2 GbE SFP combo*	

**Optional SFP modules sold separately.*

Features

- Modbus TCP management capability
- EtherNet/IP management capability
- Wide temp range
- DIN-rail mount with optional panel mount accessory
- Metal housing
- 12, 24 VDC redundant input
- Gigabit Ethernet (GbE) models
- Haz Loc
- 5-year warranty

Panel Mounting Brackets

Stride SE2 series DIN-rail mounted switches can be panel mounted with the addition of the optional panel mounting brackets SE2-PM1 or SE2-PM3.



SE2-Series Panel Mounting Brackets		
Part Number	Price	For use with switch model
SE2-PM1	\$15.00	SE2-SW5Ux, SE2-SW8U-x, and SE2-MCx
SE2-PM3	\$20.00	SE2-SWPx, SE2-SW8UG-T, SE2-SW10UG-2P-T, SE2-SW16U-T and all SE2 managed switches

Stride SE2 Series Managed Industrial Ethernet Switches

Specifications

General Specifications	
Operating Mode	Store and forward wire speed switching, non-blocking
Devices Supported	All IEEE 802.3 compliant devices are supported
MAC Addresses	8K 16K for SE2-SW8M-2P
Ethernet Protocols Supported	SNMPv1 / v2 / v3, RMON, DHCP, SNMP, TFTP, STP, RSTP, QoS / 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
Packet Forwarding Rate	1.4 Mpps – SE2-SW8M 1.4 Mpps–SE2-SW8M-2C1 1.4 Mpps–SE2-SW8M-2T1 5.5 Mpps–SE2-SW8M-2P 5.4 Mpps–SE2-SW16M 5.4 Mpps–SE2-SW18MG-2P
Latency	< 10 μ s
Operating Temperature Range	-40 to +75°C (-40 to +167°F)
Storage Temperature Range	-40 to +85°C (-40 to +185°F)
Humidity (non-condensing)	5 to 95% RH
Environmental Air	No corrosive gases permitted
Vibration, Shock & Freefall	IEC60068-2-6, -27, -32
EMI Emissions	FCC CFR47 Part 15, EN55022/CISPR22, Class A
EMS	IEC61000-4-2 (ESD): \pm 8kV (contact), \pm 15kV (air) IEC61000-4-3 (RS): 10V/m (80MHz ~ 2GHz) IEC61000-4-4 (EFT): Power Port \pm 4kV; Data Port: \pm 2kV IEC61000-4-5 (Surge): Power Port: \pm 2kV/DM, \pm 4kV/CM; Data Port \pm 2kV IEC61000-4-6 (CS): 10V (150kHz ~ 80MHz)
RoHS and WEEE	RoHS (Pb free) and WEEE compliant
Packaging and Protection	Metal case, IP40
Hazardous Locations	ANSI/ISA 12.12.01-2015 & CSA22.2 No. 213-15 (Class I, Div.2) (file #E200031)
Agency Approvals	UL/cUL 508, CE

Power Details	
Power Input	Redundant Input Terminals
Input Voltage	Class 2 Power Supply: 12-24 VDC
Reverse Power Protection	Yes
Wire Size and Torque	18-12 AWG, max wire length 3m (9.84 ft); Wire strip length 7mm; Torque: 3.5 lb-in (0.4 N-m)
Power Consumption	Refer to Stride SE2 Series Managed Models table

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

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

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	
Management Interfaces	Browser, Text (Telnet and SSH), CLI (command line interface) and SNMP (see the user manual for supported MIBs)

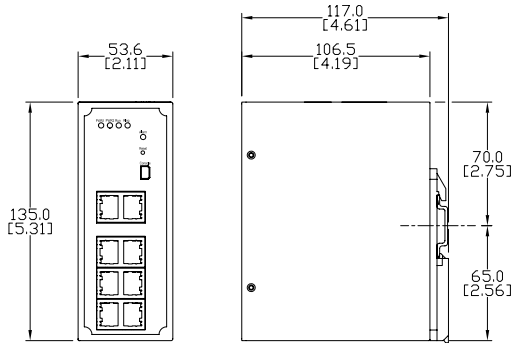
Stride SE2 Series Managed Industrial Ethernet Switches

SE2 Series DIN Rail mounted switches

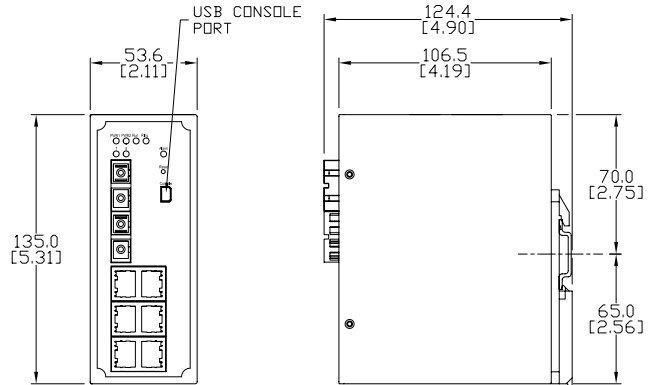
Allow 20mm (0.79") clearance around the switch for cooling

Dimensions

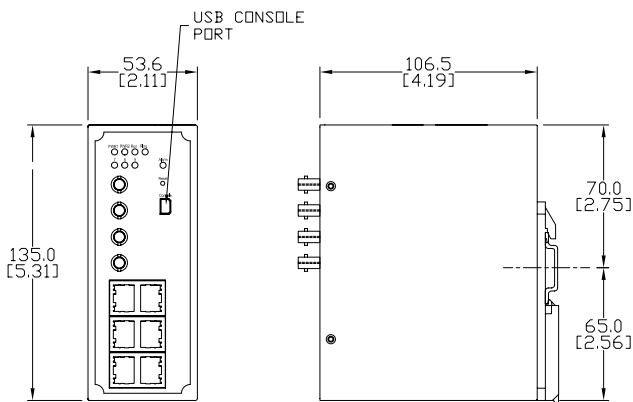
mm [inches]



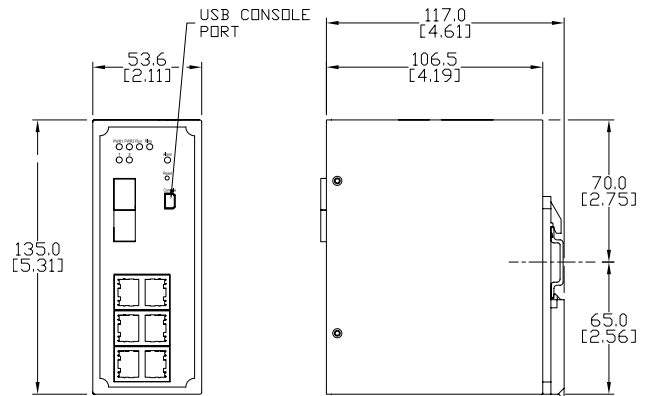
SE2-SW8M



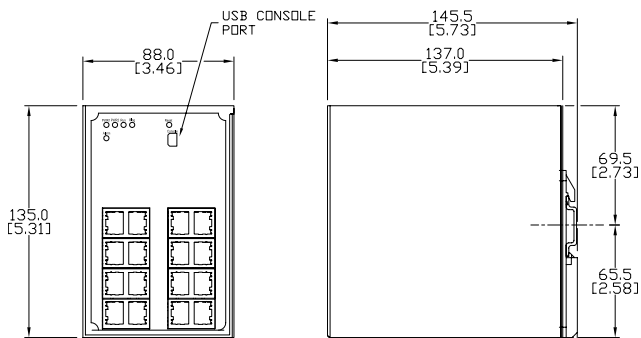
SE2-SW8M-2C1



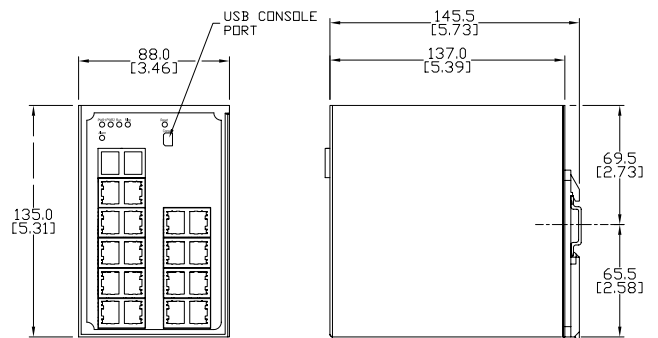
SE2-SW8M-2T1



SE2-SW8M-2P



SE2-SW16M



SE2-SW18MG-2P

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

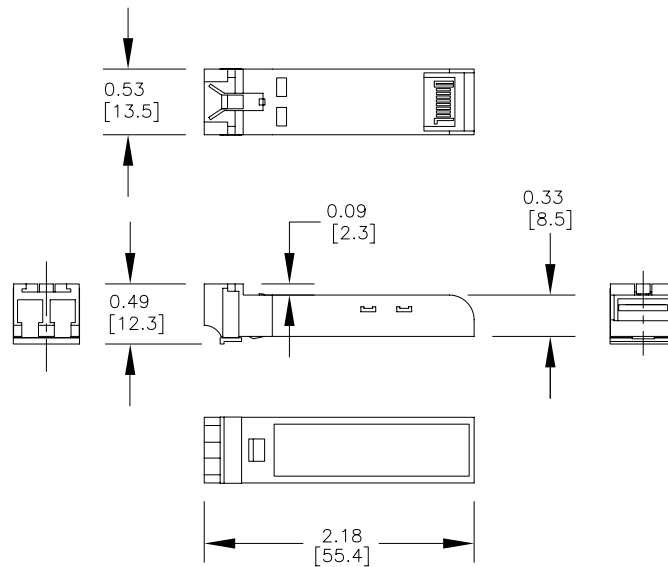
- SFP Multi-Source Agreement compliant
- Serial ID functionality support
- -40° to +85°C operating temperature range
- 5 – 95% humidity (non-condensing)
- Class 1 laser safety standard IEC 60825 compliant
- Hot swappable
- 2-year warranty

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		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			
	Wide Temp	-40 to +75°C	-40 to +75°C
Ethernet Connectivity			
	RJ45 Ports	up to 1000 Mbps	up to 1000 Mbps
	Fiber Optic Ports	✓	✓
	SFP Ports	✓	✓
Port Count			
		5,8,10,16	8,16,18
Industrial Protocol Management			
	Modbus TCP	Read	Full Management
	EtherNet/IP	—	Full Management
Network Redundancy			
	STP/RSTP	✓	✓
	Proprietary Fast Recovery	Real-Time Ring	AD-Ring/AD-RP
Mounting			
	DIN Rail Mount	✓	✓
	Panel Mount	Integrated	Optional accessory
Input Power			
	Redundant Power Inputs	✓	✓
	Reverse Polarity Protection	✓	✓
	Power LED	✓	✓
	Power Alarm	✓	✓
Agency Approvals			
	UL508 / 61010	✓	✓
	Haz Loc-Class 1 Div 2	✓	✓
	ATEX Zone 2	✓	—
	CE	✓	✓
Warranty			
		2 years	5 years