

# Stride SE2 Series Managed Industrial Ethernet Switches



Stride SE2 Series Managed Models				
Part Number	Price	Ethernet Ports	Fiber Ports	Input Power (max)
<u><a href="#">SE2-SW8M-2C1</a></u>		6	2 SC	8.1 W

\*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

# Stride SE2 Series Managed Industrial Ethernet Switches

## Specifications

General Specifications	
<b>Operating Mode</b>	Store and forward wire speed switching, non-blocking
<b>Devices Supported</b>	All IEEE 802.3 compliant devices are supported
<b>MAC Addresses</b>	8K
<b>Ethernet Protocols Supported</b>	SNMPv1 / v2 / v3, RMON, DHCP, SNTP, TFTP, STP, RSTP, QoS / DS, IGMPv1 / v2, VLAN (tag and port based), HTTP, HTTPS (SSL and TLS), Telnet, SSH and more
<b>Industrial Protocols Supported</b>	Modbus TCP, EtherNet/IP, PROFInet, Foundation Fieldbus HSE and others
<b>Packet Forwarding Rate</b>	1.4 Mpps
<b>Latency</b>	< 10 $\mu$ s
<b>Operating Temperature Range</b>	-40 to +75°C [-40 to +167°F]
<b>Storage Temperature Range</b>	-40 to +85°C [-40 to +185°F]
<b>Humidity (non-condensing)</b>	5 to 95% RH
<b>Environmental Air</b>	No corrosive gases permitted
<b>Vibration, Shock &amp; Freefall</b>	IEC60068-2-6, -27, -32
<b>EMI Emissions</b>	FCC CFR47 Part 15, EN55032/CISPR32, Class A
<b>EMS</b>	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)
<b>RoHS and WEEE</b>	RoHS (Pb free) and WEEE compliant
<b>Packaging and Protection</b>	Metal case, IP40
<b>Hazardous Locations</b>	ANSI/ISA 12.12.01-2015 & CSA22.2 No. 213-15 (Class I, Div.2) (file #E200031)
<b>Agency Approvals</b>	UL/cUL 508, CE

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

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

RJ45 Ports	
<b>Port Type</b>	Shielded RJ45
<b>Ethernet Compliance</b>	IEEE 802.3i, 802.3u, 802.3x for 10/100 Ethernet IEEE 802.3ab, 802.3z for Gigabit Ethernet
<b>Auto-Crossover</b>	Yes, allows you to use straight-through or crossover wired cables
<b>Auto-Sensing Operation</b>	Yes, full and half duplex
<b>Auto-Negotiating Speed</b>	Yes
<b>Flow Control</b>	Automatic
<b>Cable Requirements</b>	Twisted pair (Cat5e or better) (shielded recommended)
<b>Max. Cable Distance</b>	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	
<b>Management Interfaces</b>	Browser, Text (Telnet and SSH), CLI (command line interface) and SNMP (see the user manual for supported MIBs)

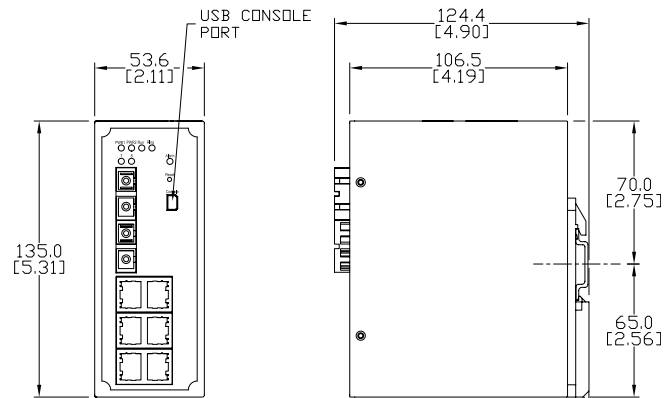
# Stride SE2 Series Managed Industrial Ethernet Switches

## SE2 Series DIN Rail mounted switches

Allow 20mm [0.79"] clearance around the switch for cooling

## Dimensions

mm [inches]



**SE2-SW8M-2C1**

See our website: [www.AutomationDirect.com](http://www.AutomationDirect.com) for complete engineering drawings.

# Stride<sup>®</sup> Managed Industrial Ethernet Switches

## Industrial Hardened Full Feature Layer 2 Switch



• For detailed specifications on all models, see following pages

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