Stride® SE2 Series Managed Industrial Ethernet Switches

Stride SE2 Series Managed Models

Part Number	Price	Ethernet Ports	Fiber Ports	Input Power (max)
SE2-SW8M-2C1	$648.00	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

StrideSE2 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
Ethernet Protocols Supported	SNMPv1 / v2 / v3, RMON, DHCP, SNTP, TFTP, STP, RSTP, QoS / 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
Packet Forwarding Rate	1.4 Mpps
Latency	< 10 µs
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, EN55032/CISPR32, Class A
EMS	IEC61000-4-2 (ESD): ± 8kV (contact), ± 15kV (air) IEC61000-4-3 (RS): 10V/m (80MHz ~ 2GHz) IEC61000-4-4 (EFT): Power Port ± 4kV; Data Port: ± 2kV IEC61000-4-5 (Surge): Power Port: ± 2kV/DM, ± 4kV/CM; Data Port ± 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 µm
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

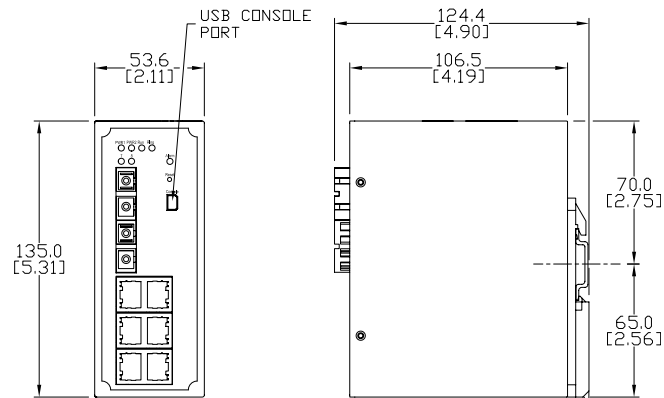|	
Management Interfaces	Browser,Text (Telnet and SSH), CLI (command line interface) and SNMP (see the user manual for supported MIBs)

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]

USB CONSOLE PORT

53.6 [2.11]

135.0 [5.31]

124.4 [4.90]

106.5 [4.19]

70.0 [2.75]

65.0 [2.56]

SE2-SW8M-2C1

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 $519.00 (5 port)	starting at $648.00 (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			
		5 years	5 years