

Stride SE Series Unmanaged Industrial Ethernet Switches and Media Converters



Features

- Wide temp range option
- Integrated panel mounting option
- 12, 24 VDC redundant input
- IP40 metal case models
- IP30 plastic case models
- Haz Loc
- 2-year warranty



IECEx



RoHS Compliant

Plastic Case Switches

Stride SE Series Unmanaged Models						
Part Number	Price	10/100	Fiber Connector	Input Power	Operating Temp	Agency Approvals
SE-SW5U	\$95.00	5	—	2.0 W	-10 to +60°C (+14 to +140°F)	UL/cUL 508, Haz Loc, CE
SE-SW8U	\$174.00	8	—	4.0 W		
SE-SW5U-ST	\$166.00	4	1 ST	3.0 W		
SE-SW5U-SC	\$168.00		1 SC			
SE-SW9U-ST	\$251.00	8	1 ST	5.0 W		
SE-SW9U-SC	\$239.00		1 SC			
SE-MC2U-ST	\$162.00	1	1 ST	2.0 W		
SE-MC2U-SC	\$156.00		1 SC			

Metal Case Switches

Stride SE Series Unmanaged Models						
Part Number	Price	10/100	Fiber Connector	Input Power	Operating Temp	Agency Approvals
SE-SW5U-WT	\$158.00	5	—	2.0 W	-40 to +85°C (-40 to +185°F)	UL/cUL 508, Haz Loc, CE
SE-SW8U-WT	\$236.00	8	—	4.0 W		
SE-SW5U-ST-WT	\$223.00	4	1 ST	3.0 W		
SE-SW5U-SC-WT	\$228.00	4	1 SC			
SE-SW9U-ST-WT	\$310.00	8	1 ST	5.0 W		
SE-SW9U-SC-WT	\$326.00	8	1 SC			

Stride SE Series Unmanaged Industrial Ethernet Switches and Media Converters

General Specifications		
Ethernet Switch Type	Up to 9 ports	
Operating Mode	Store and forward wire speed switching, non-blocking	
Devices Supported	All IEEE 802.3 compliant devices are supported	
Standards	IEEE 802.3, 802.3u, 802.3x	
MAC Addresses	1024 addresses	
Memory Bandwidth	3.2 Gbps	
Latency for 10 Mbps ports	16 μ s + frame time (typical)	
Latency for 100 Mbps ports	5 μ s + frame time (typical)	
Power Input	Redundant Input Terminals	
Input Power (typical with all ports active at 100 Mbps)	SE-MC2U-ST SE-MC2U-SC SE-SW5U SE-SW5U-WT	2.0 W
	SE-SW5U-ST SE-SW5U-SC SE-SW5U-ST-WT SE-SW5U-SC-WT	3.0 W
	SE-SW8U SE-SW8U-WT	4.0 W
	SE-SW9U-ST SE-SW9U-SC SE-SW9U-ST-WT SE-SW9U-SC-WT	5.0 W
	10-30 VDC (continuous)—Class 2 Power Supply	
	Yes	
	15,000 watts peak	
	5,000 watts (10x for 10 us)	
	1500 VRMS 1 minute	
	SE-MC2U-ST SE-MC2U-SC SE-SW5U SE-SW8U SE-SW5U-ST SE-SW5U-SC SE-SW9U-ST SE-SW9U-SC	-10 to +60°C (+14 to +140°F), cold startup at -10°C (+14°F)
Operating Temperature Range	SE-SW5U-WT SE-SW8U-WT SE-SW5U-ST-WT SE-SW5U-SC-WT SE-SW9U-ST-WT SE-SW9U-SC-WT	-40 to +85°C (-40 to +185°F), cold startup at -40°C (-40°F)
	-40 to +85°C (-40 to +185°F)	
Storage Temperature Range	-40 to +85°C (-40 to +185°F)	
Humidity (non-condensing)	5 to 95% RH	
Environmental Air	No corrosive gasses permitted. For use in Pollution Degree 2 environment	
Vibration and Shock	IEC60068-2 and -27	
EMI Emissions	FCC part 15, ICES-003, EN55022	
EMC Immunity	IEC61326-1	
RoHS and WEEE	RoHS (Pb free) and WEEE compliant	
Agency Approvals	UL/cUL 508, CSA C22 per EN61010-1, UL HazLoc (Class 1, Div. 2, Groups A, B, C, D) (UL file #E200031), CSA C 22.2/213/EN60079-15 (Zone 2, Category 3), CE (ATEX)	

General Specifications Cont'd		
Packaging and Protection	SE-MC2U-ST SE-MC2U-SC SE-SW5U SE-SW8U SE-SW5U-ST SE-SW5U-SC SE-SW9U-ST SE-SW9U-SC	UL94V0 Lexan, IP30
	SE-SW5U-WT SE-SW8U-WT SE-SW5U-ST-WT SE-SW5U-SC-WT SE-SW9U-ST-WT SE-SW9U-SC-WT	Metal case, IP40

Copper RJ45 Ports: (10/100BaseT)	
10/100BaseT ports	Shielded RJ45
Protocols Supported	All standard IEEE 802.3
Ethernet Compliance	IEEE 802.3, 802.3u, 802.3x
Auto-Crossover	Yes, allows you to use straight-through or crossover wired cables
Auto-Sensing Operation	Yes, full and half duplex
Auto-Negotiating	Yes, 10BaseT and 100BaseT
Auto-Polarity	Yes, on the TD and RD pair
Flow Control	Automatic
Ethernet Isolation	1500 VRMS 1 minute
Plug and Play	Yes
Cable Requirements	Twisted pair (Cat5e or better) (shielded recommended)
Max. Cable Distance	100 meters

Fiber Port: (100BaseFX multimode)	
100BaseFX Ports	1
Fiber Port Mode	Multimode (mm)
Fiber Port Connector	ST – models SE-XXXX-ST and SE-XXXX-ST-WT SC – models SE-XXXX-SC and SE-XXXX-SC-WT
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
Ethernet Compliance	100BaseFX
Eye Safety (laser)	IEC 60825-1, Class 1; FDA 21 CFR 1040.10 and 1040.11

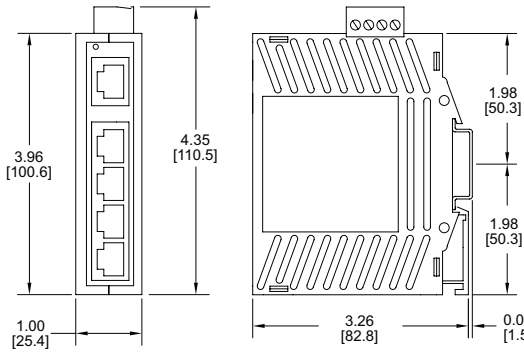
Complete documentation

Documentation can be downloaded from
www.automationdirect.com.

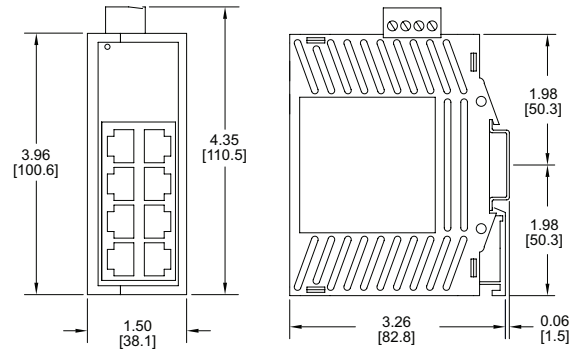
Stride SE Series Unmanaged Industrial Ethernet Switches and Media Converters

Dimensions

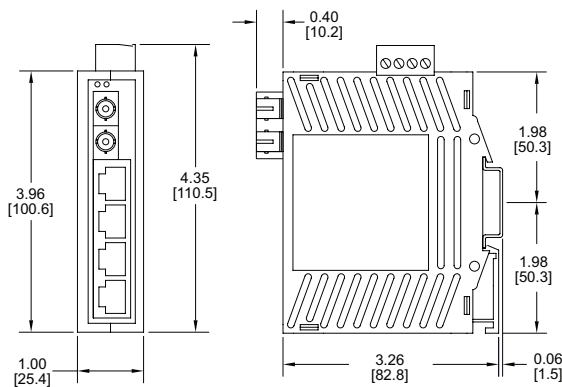
Inches [mm]



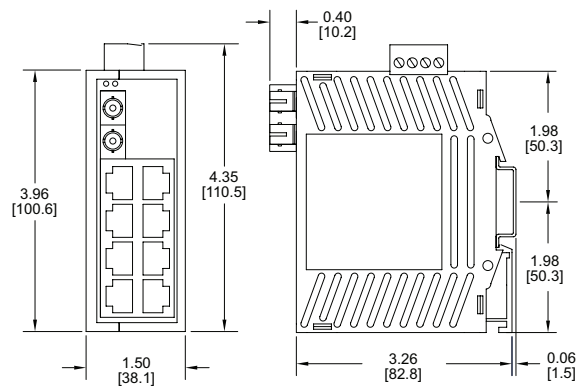
SE-SW5U



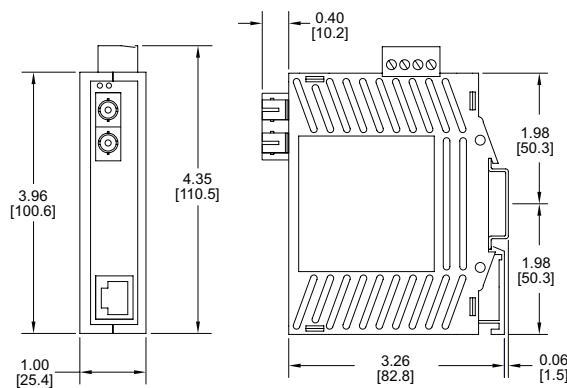
SE-SW8U



**SE-SW5U-SC
SE-SW5U-ST**



**SE-SW9U-SC
SE-SW9U-ST**



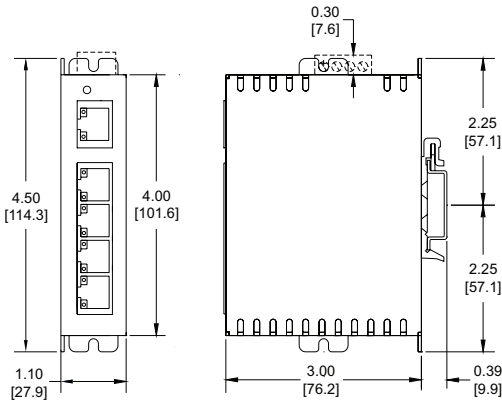
**SE-MC2U-SC
SE-MC2U-ST**

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

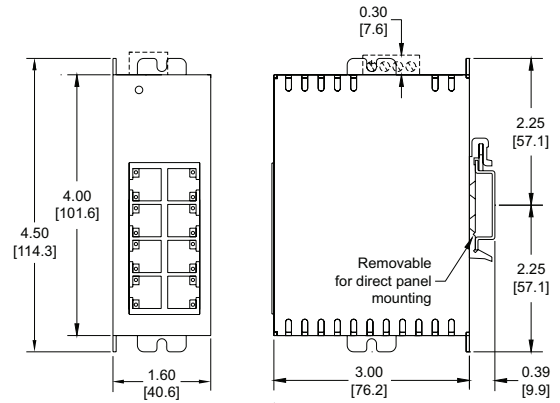
Stride[®] SE Series Unmanaged Industrial Ethernet Switches and Media Converters

Dimensions

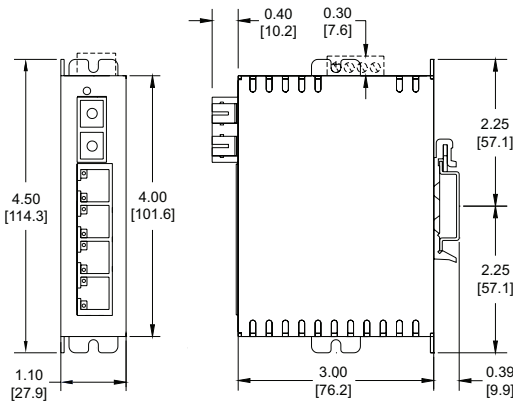
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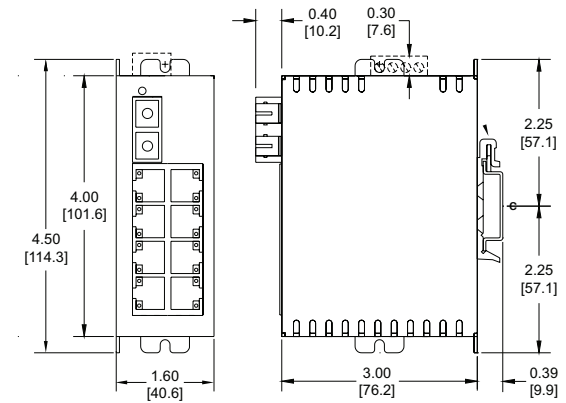
SE-SW5U-WT



SE-SW8U-WT



**SE-SW5U-SC-WT
SE-SW5U-ST-WT**



**SE-SW9U-SC-WT
SE-SW9U-ST-WT**

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

Stride[®] Unmanaged Industrial Ethernet Switches

Unmanaged Switches offer:

- Reliable connectivity
- Industrially hardened
- Simple installation

For detailed specifications on all models, see following pages



		SE Series	SE2 Series DIN Rail	SE2 Series IP65
Price				
		starting at \$95	starting at \$78	starting at \$319
Broadcast Storm Protection				
		—	✓	—
Industrial Temperature Ranges				
	<i>Standard Temp</i>	-10 to +60°C	-10 to +60°C	—
	<i>Wide Temp</i>	-40 to +85°C	-40 to +75°C	-40 to +75°C
Port Connectivity				
	<i>Port Count</i>	2 to 9	2 to 18	5, 8
	<i>RJ45 Port Speed</i>	up to 100 Mbps	up to 1000 Mbps	—
	<i>M12 Port Speed</i>	—	—	up to 100 Mbps
	<i>Fiber Optic Ports</i>	✓	✓	—
	<i>PoE+ Ports</i>	—	✓	—
	<i>SFP Ports</i>	—	✓	—
Mounting				
	<i>DIN Rail Mount</i>	✓	✓	—
	<i>Panel Mount</i>	✓	✓	✓
Input Power				
	<i>Redundant Power Inputs</i>	✓	✓	✓
	<i>Reverse Polarity Protection</i>	✓	✓	✓
	<i>Power LED</i>	✓	✓	✓
Agency Approvals				
	<i>UL508 or UL61010</i>	✓	✓	✓
	<i>Haz Loc—Class 1 Div 2</i>	✓	✓	—
	<i>IECEX</i>	✓	—	—
	<i>ATEX Zone 2</i>	✓	—	—
	<i>CE</i>	✓	✓	✓
	<i>EN50155 & EN50121</i>	—	—	✓
Warranty				
		2 years	5 years	5 years
Activity, Link & Speed LEDs				
		✓	✓	✓