

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
- 5-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		5	-	2.0 W	-10 to +60 °C [+14 to +140 °F]	UL/cUL 508, Haz Loc, CE		
SE-SW5U-ST		4	1 ST	3.0 W				
SE-SW5U-SC			1 SC					
SE-MC2U-ST		1	1 ST	2.0 W				
SE-MC2U-SC			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		5	-	2.0 W	-40 to +85 °C [-40 to +185 °F]	UL/cUL 508, Haz Loc, CE		
SE-SW5U-ST-WT		4	1 ST	3.0 W				
SE-SW5U-SC-WT		4	1 SC					
SE-SW9U-ST-WT		8	1 ST	5.0 W				
SE-SW9U-SC-WT		8	1 SC					

Stride® SE Series Unmanaged Industrial Ethernet Switches and Media Converters

General Specifications			General Specifications Cont'd		
Ethernet Switch Type	Up to 9 ports		Packaging and Protection	SE-MC2U-ST SE-MC2U-SC SE-SW5U SE-SW5U-ST SE-SW5U-SC	UL94VO Lexan, IP30
Operating Mode	Store and forward wire speed switching, non-blocking			SE-SW5U-WT SE-SW5U-ST-WT SE-SW5U-SC-WT SE-SW9U-ST-WT SE-SW9U-SC-WT	Metal case, IP40
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 µs + frame time (typical)				
Latency for 100 Mbps ports	5 µs + 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-SW9U-ST-WT SE-SW9U-SC-WT	5.0 W			
Input Voltage	10-30 VDC (continuous) Class 2 Power Supply				
Reverse Power Protection	Yes				
Transient Protection	15,000 watts peak				
Spike Protection	5,000 watts (10x for 10 µs)				
Ethernet Isolation	1500 VRMS 1 minute				
Operating Temperature Range	SE-MC2U-ST SE-MC2U-SC SE-SW5U SE-SW5U-ST SE-SW5U-SC	-10 to +60 °C [+14 to +140 °F], cold startup at -10 °C [+14 °F]			
	SE-SW5U-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]			
Storage Temperature Range	-40 to +85 °C [-40 to +185 °F]				
Humidity (non-condensing)	5 to 95% RH				
Environmental Air	No corrosive gases 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)				

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 m

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 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
Ethernet Compliance	100BaseFX
Eye Safety (laser)	IEC 60825-1, Class 1; FDA 21 CFR 1040.10 and 1040.11

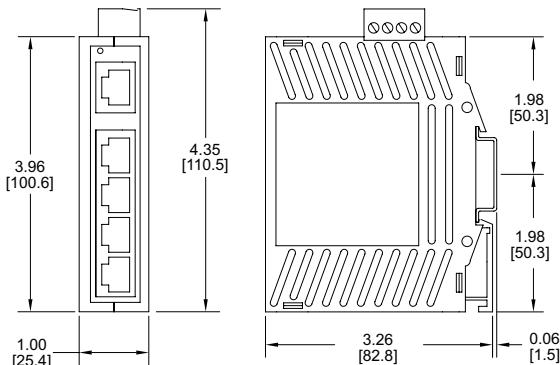
Complete documentation

Documentation can be downloaded from www.automationdirect.com.

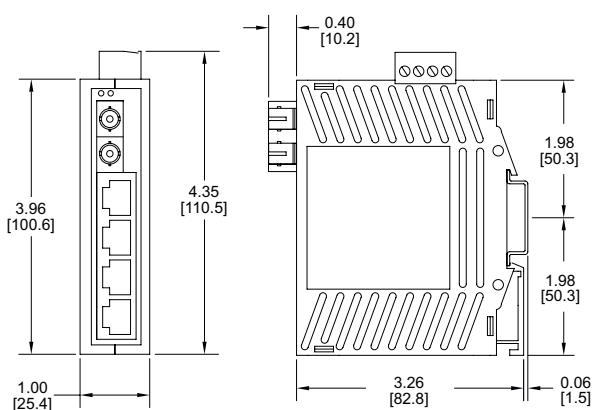
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Dimensions

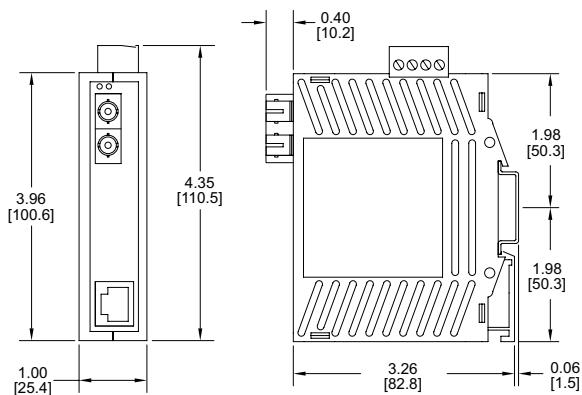
Inches [mm]



SE-SW5U



SE-SW5U-SC
SE-SW5U-ST



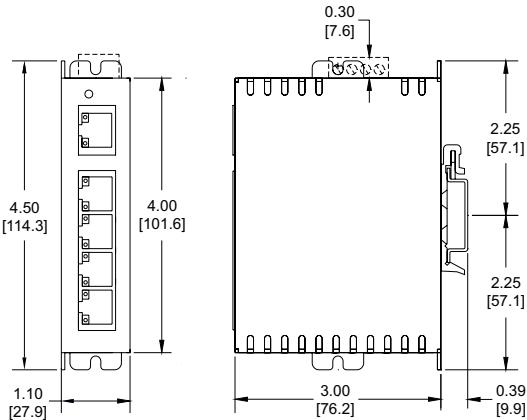
SE-MC2U-SC
SE-MC2U-ST

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

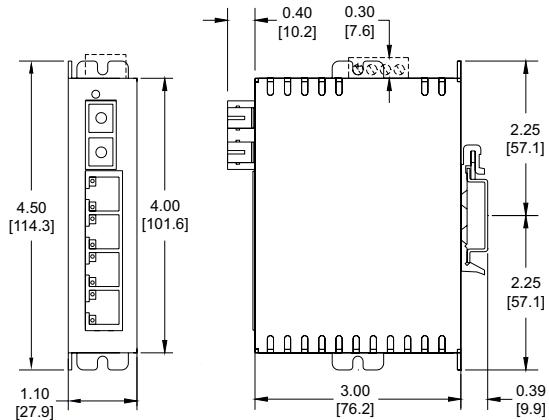
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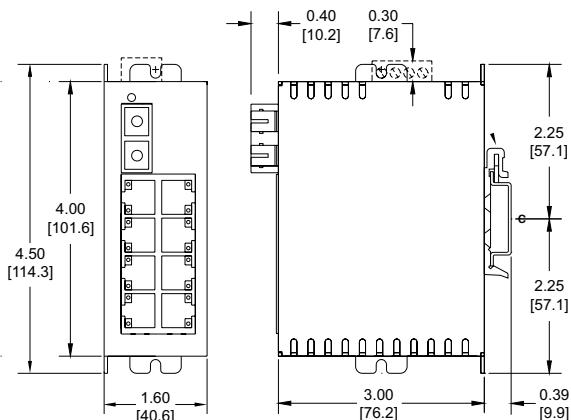
Inches [mm]



SE-SW5U-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

Features

- Reliable connectivity
- Industrially hardened
- Simple installation
- For detailed specifications on all models, see the specific series pages



	SE Series	SE3 Series DIN Rail	SE3 Series IP67
Price			
Broadcast Storm Protection			
	—	—	—
Industrial Temperature Ranges			
<i>Standard Temp</i>	-10 to +60 °C [14 to 140 °F]	-10 to +65 °C [14 to 149 °F]	—
<i>Wide Temp</i>	-40 to +85 °C [-40 to +185 °F]	-40 to +75 °C [-40 to +167 °F]	-40 to +75 °C [-40 to +167 °F]
Port Connectivity			
<i>Port Count</i>	2 to 9	5 to 16	5
<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>	✓	✓ (certain models)	—
<i>IECEx</i>	✓	—	—
<i>ATEX Zone 2</i>	✓	—	—
<i>CE</i>	✓	✓	✓
<i>EN50155 & EN50121</i>	—	—	—
Warranty			
	5 years	5 years	5 years
Activity, Link & Speed LEDs			
	✓	✓	✓