Stride® SE2 Series Unmanaged Industrial Ethernet Switches

SE2 Series IP65 Rated

Features

- Rugged IP65 rating
- Tight M12 connections
- Wide temp range
- Panel mount
- 12, 24, 48 VDC and 18-30 VAC redundant input
- Complies with EN50155 and EN50121 industrial standards
- 5-year warranty

IP65

cULus   CE   RoHS ✓ RoHS Compliant

Stride SE2 Series IP65 Rated Models					
Part Number	Price	M12, IP65 10/100 ports	Input power (max.)	Operating Temp	Agency Approvals
SE2-SW5U-N65-T		5	4.6 W	-40 to +75°C [-40 to +167°F]	UL/cUL 61010-1, UL/cUL 6010-2-201 CE, EN50155, EN50121
SE2-SW8U-N65-T		8			

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General Specifications	
Operating Mode	Store and forward wire speed switching, non-blocking
Devices Supported	All IEEE 802.3 compliant devices are supported
MAC Addresses	2K
Packet Buffer	1Mbit
Packet Forwarding Rate	1.2 Mpps
Latency	< 10 µs
Storage Temperature Range	-40 to +85 °C [-40 to +185 °F]
Humidity (non-condensing)	5 to 95% RH
Pollution Degree	2
Vibration and Shock	IEC60068-2-6, -27, -32
Freefall	IEC60068-2-32
Safety	EN60950-1
EMI Emissions	FCC CFR47 Part 15, EN55032/CISPR32, Class A
EMS	IEC61000-4-2 (ESD): ± 6kV (contact), ± 8kV (air) IEC61000-4-3 (RS): 20V/m (80MHz ~ 2 GHz) IEC61000-4-4 (EFT): Power Port ± 2kV; Data Port: ± 2kV IEC61000-4-5 (Surge): Power Port: ± 1kV/DM, ± 2kV/CM IEC61000-4-6 (CS): 10V (150 kHz ~ 80 MHz) IEC61000-4-8 (Power frequency magnetic field) :50 Hz 100A/m IEC61000-4-9 (Pulsed magnetic field) :300A/m IEC61000-4-29 (Voltage short interruptions) :10ms 100%
RoHS and WEEE	RoHS (Pb free) and WEEE compliant
Packaging and Protection	Metal case, IP65
Agency Approvals	UL/cUL 61010-1 UL/cUL 61010-2-201, (UL file #E157382), CE, EN50155, EN50121

Power Details	
Power Input	Redundant Input M12 connector
Input Voltage	Class 2 Power Supply: 12-48 VDC, 18-30VAC 50/60 Hz
Power Input Ports	M12, male, A-coding, 4-pin
Reverse Power Protection	Yes

M12 Ports	
10/100BaseT ports	M12, female, D-coding, 4-pin
Ethernet Compliance	IEEE 802.3i, 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 Speed	Yes
Flow Control	Automatic
Cable Requirements	Twisted pair (Cat5 or better) (shielded recommended)
Max. Cable Distance	100 meters

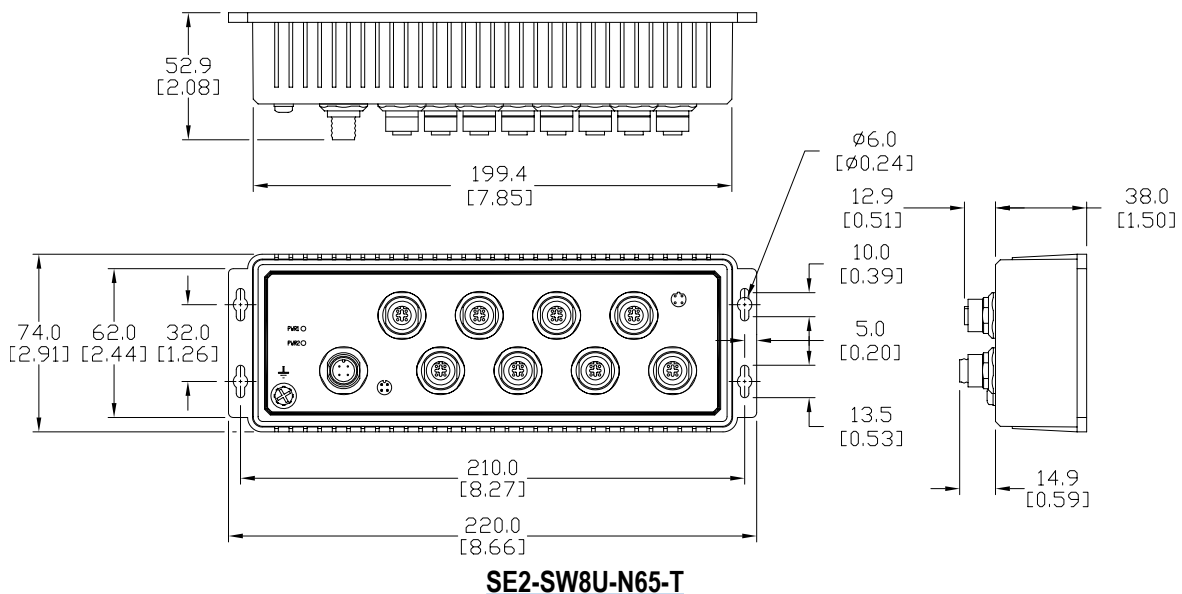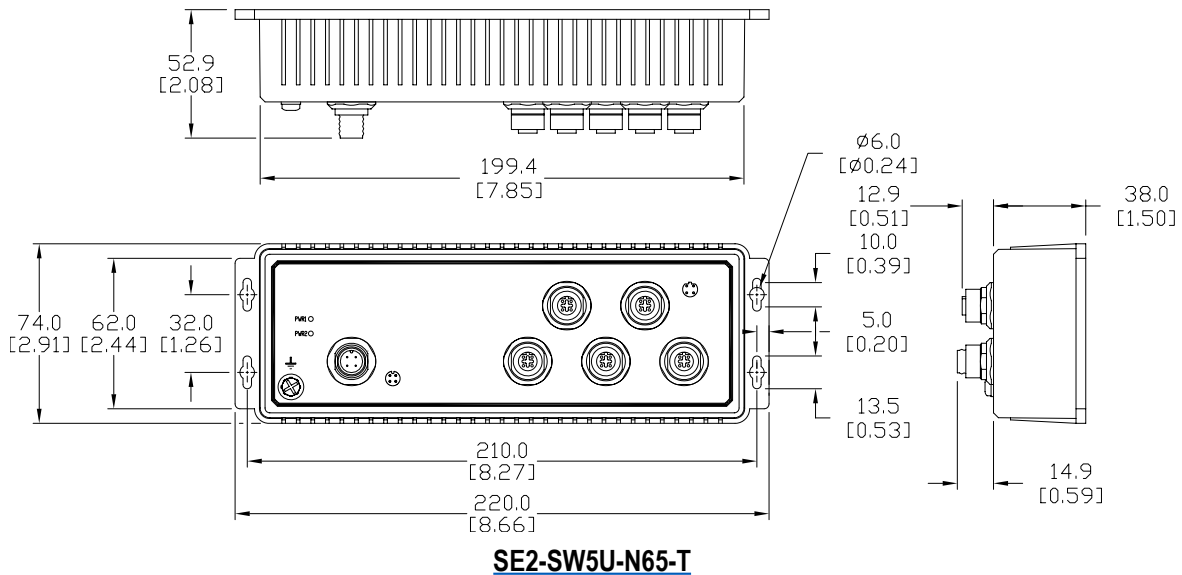*Note–M12 caps (ZP-JBH-CAP) need to be used on open (disconnect) ports.

Front Panel LEDs		
LED	State	Description
Power 1 LED	On	Power 1 connected and operational
	Off	Power 1 no voltage
Power 2 LED	On	Power 2 connected and operational
	Off	Power 2 no voltage
Ethernet Port Connection Status LED	On	Ethernet port connected
	Blinking	Ethernet port active
	Off	Ethernet port no connection

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Dimensions
mm [Inches]

SE2-SW5U-N65-T

52.9 [2.08]

199.4 [7.85]

74.0 [2.91] 62.0 [2.44] 32.0 [1.26]

210.0 [8.27]

220.0 [8.66]

Ø6.0 [Ø0.24]

12.9 [0.51]

10.0 [0.39]

5.0 [0.20]

13.5 [0.53]

38.0 [1.50]

14.9 [0.59]

SE2-SW8U-N65-T

52.9 [2.08]

199.4 [7.85]

74.0 [2.91] 62.0 [2.44] 32.0 [1.26]

210.0 [8.27]

220.0 [8.66]

Ø6.0 [Ø0.24]

12.9 [0.51]

10.0 [0.39]

5.0 [0.20]

13.5 [0.53]

38.0 [1.50]

14.9 [0.59]

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 following pages

	SE Series	SE2 Series DIN Rail	SE2 Series IP65	SE3 Series DIN Rail	SE3 Series IP67
Price					
Broadcast Storm Protection					
	—	✓	—	—	—
Industrial Temperature Ranges					
Standard Temp	-10 to +60°C	-10 to +60°C	—	-10 to +65°C	—
Wide Temp	-40 to +85°C	-40 to +75°C	-40 to +75°C	-40 to +75°C	-40 to +75°C
Port Connectivity					
Port Count	2 to 9	2 to 18	5, 8	5 to 16	5
RJ45 Port Speed	up to 100 Mbps	up to 1000 Mbps	—	up to 1000 Mbps	—
M12 Port Speed	—	—	up to 100 Mbps	—	up to 100 Mbps
Fiber Optic Ports	✓	✓	—	✓	—
PoE+ Ports	—	✓	—	✓	—
SFP Ports	—	✓	—	✓	—
Mounting					
DIN Rail Mount	✓	✓	—	✓	✓
Panel Mount	✓	✓	✓	✓	✓
Input Power					
Redundant Power Inputs	✓	✓	✓	✓	✓
Reverse Polarity Protection	✓	✓	✓	✓	✓
Power LED	✓	✓	✓	✓	✓
Agency Approvals					
UL508 or UL61010	✓	✓	✓	✓	✓
Haz Loc–Class 1 Div 2	✓	✓	—	✓	—
IECEx	✓	—	—	—	—
ATEX Zone 2	✓	—	—	—	—
CE	✓	✓	✓	✓	✓
EN50155 & EN50121	—	—	✓	—	—
Warranty					
	5 years	5 years	5 years	5 years	5 years
Activity, Link & Speed LEDs					
	✓	✓	✓	✓	✓