

# Stride SE2 Series Unmanaged Industrial Power Over Ethernet Switches

SE2 Series PoE+ DIN Rail mounted switches



## Features

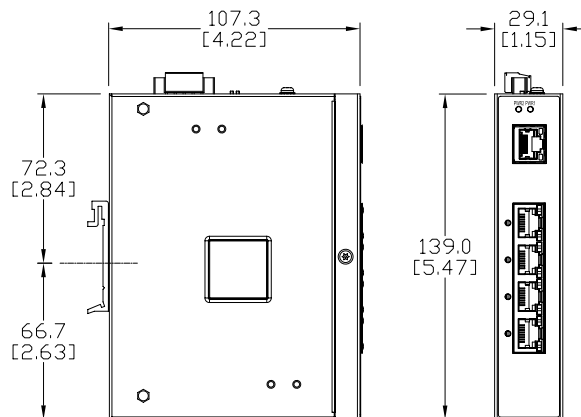
- Full PoE+ on four ports (30W on each port)
- Broadcast storm protection
- Wide temp range
- Optional panel mounting accessory (SE2-PM3)
- Power over Ethernet
- Redundant power input
- GbE model available
- Haz Loc
- IP30 metal cases
- 5-year warranty



RoHS Compliant

Stride SE2 Unmanaged PoE+ Models							
Part Number	Price	RJ45 10/100	RJ45 GbE	RJ45 10/100 PoE+	RJ45 GbE PoE+	Operating Temp	Agency Approvals
SE2-SWP5U-T		1	-	4	-	-40 to +75°C (-40 to +167°F)	UL/cUL UL/cUL 61010-1, Class 1, Div. 2, Groups A, B, C, D, (UL file #E200031) CE
SE2-SWP5UG-T		-	1	-	4		

PoE+ Details	
Max Power per Port	30W at 48-58 VDC 720mA V+ pins 1, 2 V- pins 3, 6
Power Input	54-58 VDC for PoE+ 48-58 VDC for PoE
PD (Powered Device) Detection	Yes - the switch port will detect the presence of a PoE enabled device before sending power. If a non-PoE device is detected, power will not be sourced on that port but Ethernet communications will be permitted.
PoE Overload Protection	Yes
Reverse Protection	Yes
Redundancy Protection	Yes



SE2-SWP5U-T  
SE2-SWP5UG-T

# Stride SE2 Series Unmanaged Industrial Power Over Ethernet Switches

## SE2 Series PoE+ DIN Rail mounted switches

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>	2K
<b>Packet Buffer</b>	1Mbit
<b>Packet Forwarding Rate</b>	1.5 Mpps
<b>Broadcast Storm Protection*</b>	DIP switch enabled (DIP switch I)
<b>Latency</b>	< 15 $\mu$ s
<b>Jumbo Frame</b>	9K
<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): +/- 6kV (contact), +/- 8kV (air) IEC61000-4-3 (RS): 10V/m (80MHz ~ 2GHz) IEC61000-4-4 (EFT): Power Port +/- 2kV; Data Port: +/- 1kV IEC61000-4-5 (Surge): Power Port: +/- 1kV/DM, +/- 2kV/CM; Data Port +/- 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, IP30
<b>Hazardous Locations</b>	ANSI/ISA 12.12.01-2015 & CSA 22.2 No. 213-15 (Class I, Div.2) (file #E200031);
<b>Agency Approvals</b>	UL/cUL UL/cUL 61010-1, Class 1, Div. 2, Groups A, B, C, D, (UL file #E200031) CE

\* Broadcast storm threshold value is 2 packets/100ms for 10 Mbps port or 2 packets/10ms for 100 Mbps and 1000 Mbps ports. DIP switch II is unused.

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 IEEE 802.3af or 802.3at for PoE
<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

Power Details	
<b>Power Input</b>	Redundant Input Terminals Class 2 Power Supply
<b>Input Voltage</b>	12 or 24VDC for Ethernet communications only 48-58 VDC for PoE (15.4 W per port) 54-58 VDC for PoE+ (30W per port)
<b>Reverse Power Protection</b>	Yes
<b>Wire Size and Torque</b>	24-16 AWG, max wire length 3m (9.84 ft) Wire strip length 7mm Torque: 1.77 lb-in (0.2 N-m)
<b>Power Consumption</b>	switch only = 3W
<b>Power Budget</b>	Ensure power supply to the switch is sized adequately to account for powered devices (PD). switch plus PDs = 123 W max
<b>Ground Connection</b>	< 5 $\Omega$ 18 - 14 AWG

Front Panel LEDs		
LED	State	Description
<b>PWR1 LED</b>	<b>On</b>	Power 1 connected and operational
	<b>Off</b>	Power 1 no voltage
<b>PWR2 LED</b>	<b>On</b>	Power 2 connected and operational
	<b>Off</b>	Power 2 no voltage
<b>ACT/LNK LED</b>	<b>On</b>	Indicates that there is a proper Ethernet connection (Link) between the port and another Ethernet device, but no communications activity is detected.
	<b>Blinking</b>	Indicates that there is a proper Ethernet connection (Link) between the port and another Ethernet device, and that there is communications activity.
	<b>Off</b>	Indicates that there is not a proper Ethernet connection (Link) between the port and another Ethernet device. Make sure the cable has been plugged securely into the ports at both ends.
<b>Speed LED 10/100 Models</b>	<b>On</b>	A 100 Mbps (100BaseT) connection is detected.
	<b>Off</b>	A 10 Mbps (10BaseT) connection is detected.
<b>Speed LED 10/100/1000 Models</b>	<b>On</b>	A 1000 Mbps (1000BaseT) connection is detected
	<b>Off</b>	A 100 or 10 Mbps (100BaseT or 10BaseT) connection is detected
<b>PoE</b>	<b>On</b>	Port is providing power
	<b>Off</b>	Port is not providing power

# Stride<sup>®</sup> 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
<b>Price</b>				
		starting at \$97	starting at \$78	starting at \$327
<b>Broadcast Storm Protection</b>				
		—	✓	—
<b>Industrial Temperature Ranges</b>				
	<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
<b>Port Connectivity</b>				
	<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>	—	✓	—
<b>Mounting</b>				
	<i>DIN Rail Mount</i>	✓	✓	—
	<i>Panel Mount</i>	✓	✓	✓
<b>Input Power</b>				
	<i>Redundant Power Inputs</i>	✓	✓	✓
	<i>Reverse Polarity Protection</i>	✓	✓	✓
	<i>Power LED</i>	✓	✓	✓
<b>Agency Approvals</b>				
	<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 &amp; EN50121</i>	—	—	✓
<b>Warranty</b>				
		5 years	5 years	5 years
<b>Activity, Link &amp; Speed LEDs</b>				
		✓	✓	✓