

# Stride Power Over Ethernet Switches SE2 Series Unmanaged Industrial

## SE2 Series PoE+ DIN Rail mounted switches



### Features

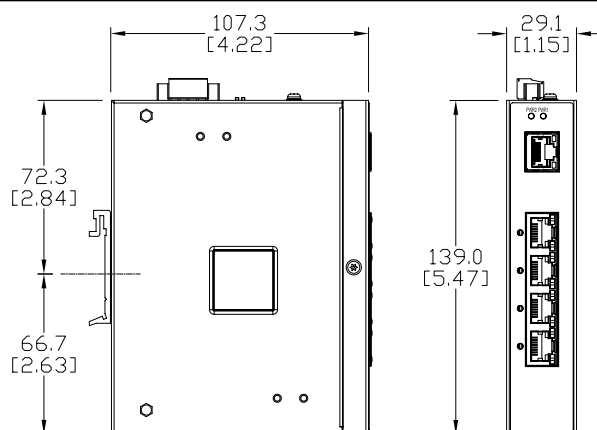
- Full PoE+ on four ports (30W on each port)
- Broadcast storm protection
- Wide temp range
- Optional panel mounting accessory ([SE2-PM3](#))
- Power over Ethernet
- Redundant power input
- GbE model available
- Haz Loc
- IP30 metal cases
- 5-year warranty



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
<a href="#">SE2-SWP5U-T</a>	\$279.00	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
<a href="#">SE2-SWP5UG-T</a>	\$382.00	-	1	-	4		

PoE+ Details	
<b>Max Power per Port</b>	30W at 48-58 VDC 720mA V+ pins 1, 2 V- pins 3, 6
<b>Power Input</b>	54-58 VDC for PoE+ 48-58 VDC for PoE
<b>PD (Powered Device) Detection</b>	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.
<b>PoE Overload Protection</b>	Yes
<b>Reverse Protection</b>	Yes
<b>Redundancy Protection</b>	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>	On	Power 1 connected and operational
	Off	Power 1 no voltage
<b>PWR2 LED</b>	On	Power 2 connected and operational
	Off	Power 2 no voltage
<b>ACT/LNK LED</b>	On	Indicates that there is a proper Ethernet connection (Link) between the port and another Ethernet device, but no communications activity is detected.
	Blinking	Indicates that there is a proper Ethernet connection (Link) between the port and another Ethernet device, and that there is communications activity.
	Off	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>	On	A 100 Mbps (100BaseT) connection is detected.
	Off	A 10 Mbps (10BaseT) connection is detected.
<b>Speed LED 10/100/1000 Models</b>	On	A 1000 Mbps (1000BaseT) connection is detected
	Off	A 100 or 10 Mbps (100BaseT or 10BaseT) connection is detected
<b>PoE</b>	On	Port is providing power
	Off	Port is not providing power

# 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
<b>Price</b>				
		starting at \$139.00	starting at \$88.00	starting at \$354.00
<b>Broadcast Storm Protection</b>				
		—	✓	—
<b>Industrial Temperature Ranges</b>				
	<b>Standard Temp</b>	-10 to +60°C	-10 to +60°C	—
	<b>Wide Temp</b>	-40 to +85°C	-40 to +75°C	-40 to +75°C
<b>Port Connectivity</b>				
	<b>Port Count</b>	2 to 9	2 to 18	5, 8
	<b>RJ45 Port Speed</b>	up to 100 Mbps	up to 1000 Mbps	—
	<b>M12 Port Speed</b>	—	—	up to 100 Mbps
	<b>Fiber Optic Ports</b>	✓	✓	—
	<b>PoE+ Ports</b>	—	✓	—
	<b>SFP Ports</b>	—	✓	—
<b>Mounting</b>				
	<b>DIN Rail Mount</b>	✓	✓	—
	<b>Panel Mount</b>	✓	✓	✓
<b>Input Power</b>				
	<b>Redundant Power Inputs</b>	✓	✓	✓
	<b>Reverse Polarity Protection</b>	✓	✓	✓
	<b>Power LED</b>	✓	✓	✓
<b>Agency Approvals</b>				
	<b>UL508 or UL61010</b>	✓	✓	✓
	<b>Haz Loc—Class 1 Div 2</b>	✓	✓	—
	<b>IECEX</b>	✓	—	—
	<b>ATEX Zone 2</b>	✓	—	—
	<b>CE</b>	✓	✓	✓
	<b>EN50155 &amp; EN50121</b>	—	—	✓
<b>Warranty</b>				
		5 years	5 years	5 years
<b>Activity, Link &amp; Speed LEDs</b>				
		✓	✓	✓