Stride SE2 Series Unmanaged Industrial Power Over Ethernet Switches

SE2 Series PoE+ DIN Rail mounted switches

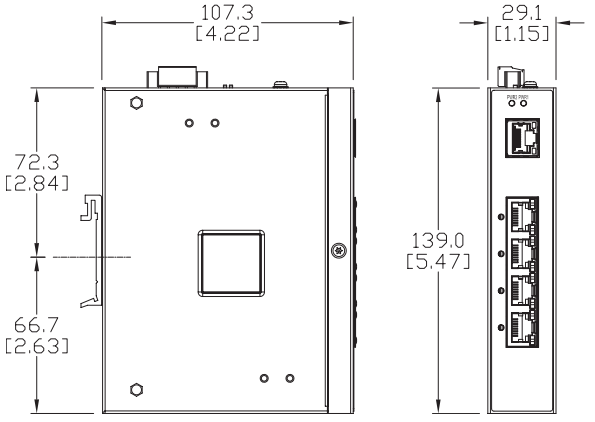
Features

- 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	$239.00	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
SE2-SWP5UG-T	$329.00	–	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	
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	1.5 Mpps
Broadcast Storm Protection*	DIP switch enabled (DIP switch I)
Latency	< 15 µs
Jumbo Frame	9K
Storage Temperature Range	-40 to +85 °C (-40 to +185 °F)
Humidity (non-condensing)	5 to 95% RH
Environmental Air	No corrosive gases permitted
Vibration, Shock & Freefall	IEC60068-2-6, -27, -32
EMI Emissions	FCC CFR47 Part 15, EN55032/CISPR32, Class A
EMS	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)
RoHS and WEEE	RoHS (Pb free) and WEEE compliant
Packaging and Protection	Metal case, IP30
Hazardous Locations	ANSI/ISA 12.12.01-2015 & CSA 22.2 No. 213-15 (Class I, Div.2) (file #E200031);
Agency Approvals	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.*

Front Panel LEDs		
LED	**State**	**Description**
PWR1 LED	**On**	Power 1 connected and operational
	Off	Power 1 no voltage
PWR2 LED	**On**	Power 2 connected and operational
	Off	Power 2 no voltage
ACT/LNK LED	**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.
Speed LED 10/100 Models	**On**	A 100 Mbps (100BaseT) connection is detected.
	Off	A 10 Mbps (10BaseT) connection is detected.
Speed LED 10/100/1000 Models	**On**	A 1000 Mbps (1000BaseT) connection is detected
	Off	A 100 or 10 Mbps (100BaseT or 10BaseT) connection is detected
PoE	**On**	Port is providing power
	Off	Port is not providing power

RJ45 Ports	
Port Type	Shielded RJ45
Ethernet Compliance	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
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 (Cat5e or better) (shielded recommended)
Max. Cable Distance	100 meters

Power Details	
Power Input	Redundant Input Terminals
	Class 2 Power Supply
Input Voltage	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)
Reverse Power Protection	Yes
Wire Size and Torque	24-16 AWG, max wire length 3m (9.84 ft)
	Wire strip length 7mm
	Torque: 1.77 lb·in (0.2 N·m)
Power Consumption	switch only = 3W
Power Budget	Ensure power supply to the switch is sized adequately to account for powered devices (PD).
	switch plus PDs = 123 W max
Ground Connection	< 5Ω
	18 - 14 AWG

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 $103	starting at $75	starting at $299
Broadcast Storm Protection				
		—	✓	—
Industrial Temperature Ranges				
	Standard Temp	-10 to +60°C	-10 to +60°C	—
	Wide Temp	-40 to +85°C	-40 to +75°C	-40 to +75°C
Port Connectivity				
	Port Count	2 to 9	2 to 18	5, 8
	RJ45 Port Speed	up to 100 Mbps	up to 1000 Mbps	—
	M12 Port Speed	—	—	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				
		2 years	5 years	5 years
Activity, Link & Speed LEDs				
		✓	✓	✓