

# Specifications

	SD Switch Rugged, 8-Port	SD Switch Rugged, 16-Port	SD Switch Rugged, 24-Port
LAN Interface	8x 802.3at (PoE+) GE Ports@, 2x SFP Ports	8x 802.3at (PoE+) GE Ports@, 8x GE Ports, 2x SFP Ports	24x 802.3at (PoE+) GE Ports, 2x SFP+ Ports
VLAN Groups	Yes	Yes	Yes
Fiber Module	2x 1 Gbps	2x 1 Gbps	2x 10 Gbps
Switch Capacity	20 Gbps	36 Gbps	88 Gbps
Max. Packet Forwarding Rate	14.9 Mpps	26.8 Mpps	66 Mpps
MAC Address Table	8,000	8,000	32,000
Inter-VLAN Routing	○	○	●
AC Adaptor	AC Input 100V-240V DC Output 54V#	AC Input 100V-240V DC Output 54V#	AC Input 100V-240V DC Output 54V%
Power Input	DC Power DIN 2x 54V Terminal Block: 12V - 56V DC	DC Power DIN 2x 54V Terminal Block: 12V - 56V DC	Redundant DC Power DIN: 54V Terminal Block: 12V - 54V DC
Power Consumption	20W System, 90W PoE+ Power Budget (supports up to 240W#)	20W System, 90W PoE+ Power Budget (supports up to 240W#)	50W System, 120W PoE+ Power Budget (supports up to 250W%)
Dimensions (L x W x H)	8.2 x 6.3 x 1.7 inches 210 x 160 x 43 mm	7.5 x 9.0 x 1.5 inches 190 x 226 x 35 mm	10.5 x 19.1 x 1.7 inches 265 x 485 x 45mm
Weight	2.2 pounds 1.0 kg	4.4 pounds 2.0 kg	11.3 pounds 5.14 kg
Operating Temperature	-40° – 149°F -40° – 65°C	-40° – 149°F -40° – 65°C	-40° – 149°F -40° – 65°C
Humidity	15% – 95% (non-condensing)	15% – 95% (non-condensing)	15% - 95% (non-condensing)
Certification	FCC, CE, RoHS, E-Mark, IC EN 61373:1999 IEC 61373:1999 : Shock and Vibration Resistance EN 50155: Railway Applications EN 61000: Electromagnetic Compatibility EN 45545-2: Fire Protection on Railway Vehicles	FCC, CE, RoHS, E-Mark, IC EN 61373:1999 IEC 61373:1999 : Shock and Vibration Resistance EN 50155: Railway Applications EN 61000: Electromagnetic Compatibility	FCC, CE, RoHS, IC* EN 61000: Electromagnetic Compatibility*
Warranty	1-Year Limited Warranty	1-Year Limited Warranty	1-Year Limited Warranty
Package Content	SD Switch 8-Port Rugged, 1x PSU 180W (ACW-630), 1x Power Cord (ACW-614), Ear Mounts/DIN Rail Mount kit (ACW-DIN-PSW8), 4pin Terminal Block Connector (Power supply), Rubber Foot Pad set	Switch 16 Port Rugged, 1x PSU 180W (ACW-630), 1x Power Cord (ACW-614), 1 Pair of Mounting Brackets (ACW-756), 4pin Terminal Block Connector (Power supply), Rubber Foot Pad set	SD Switch 24-Port Rugged , 1x PSU 180W (ACW-630), Screw set for rack mounting, 2pin Terminal Block Connector, 4pin Terminal Block Connector (Power supply), Rubber Foot Pad set

# The bundled PSU provides 90W of PoE power budget. If you require 240W of power budget, please add 180W PSU (ACW-630) to your device.  
 % The bundled PSU provides 120W of PoE power budget. If you require 250W of power budget, please add 180W PSU (ACW-630) to your device.  
 @ PoE output requires a minimum of 48V power input. \* Pending certification

# SD Switch Rugged

## Industrial-Grade PoE+ Switch with Cloud Intelligence



### Simplified LAN Management

No more command lines. Use InControl 2 cloud management to remotely monitor, troubleshoot, and configure your network:

- Monitor:** Port status, connectivity, firmware version.
- Troubleshoot:** See all clients, search by MAC address.
- Configure:** Centralize VLAN, firmware, and configurations.



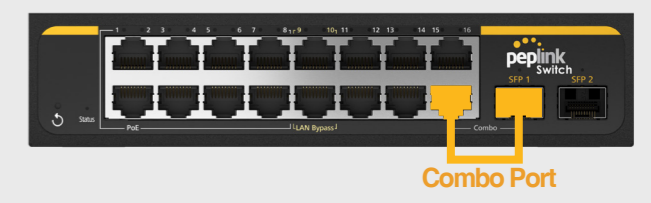
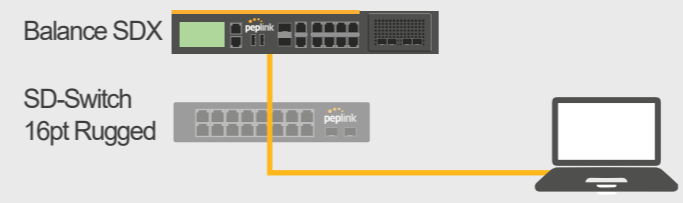
### Ready for Any Environment



The SD-Switch Rugged can handle -40°F (-40°C) to 149°F (65°C). The fanless design enables it to function in high-particle environments.

### Greater Deployment Flexibility

16-Port SD-Switch Rugged: LAN Bypass and Combo Port



**LAN Bypass Ports:** If the switch loses power, the LAN bypass ports will still connect.

**Combo Port:** ETH 16 and SFP 1 are a combo port that share the same port number.

### Product Ordering Information

Product Code	Description
PSW-8-240W-RUG	PoE enabled (delivers up to 240W) Gigabit (8 ports) and SFP (2 ports) switch with a fanless design for industrial environments.
PSW-16-240W-RUG	PoE enabled (delivers up to 240W) Gigabit (16 ports) and SFP (2 ports) switch with a fanless design for industrial environments.
PSW-24-250W-RUG	PoE enabled (delivers up to 250W) Gigabit (24 ports) and SFP+ (2 ports) switch with a fanless design for industrial environments.

