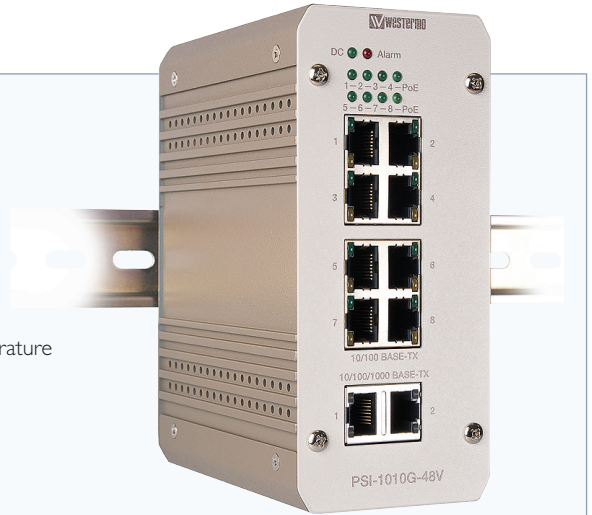# 8 PoE + 2Gb Booster Switch

PSI-1010G-24V

⠿ Simple cable saving network connectivity solution
- 8 × 10/100 IEEE 802.3af PoE ports
- 2 × 10/100/1000 BaseT uplink ports
- 80 W power budget up to − 15.4 W per port

⠿ Designed for easy industrial and vehicle installation
- DIN rail mount
- 8 to 32 VDC power input
- 12/24 to 48 V PoE power booster technology

⠿ Operation within industrial environments
- −40 to +70°C (−40 to +158°F) operating temperature
- IP 30 Aluminium case
- Fault relay alarm

⠿ Easy configuration and use
- DIP switch fault contact configuration
- No user set up required
- Simple LED indicators

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PoE technology is designed to eliminate the need for separate installation of power cables to equipment. Power is provided to equipment over the UTP data cabling. The PSI -1010G-24V is a simple PoE switch capable of driving 8 connected devices as well as two Gbit uplink ports for the most bandwidth intensive applications.

The unit is designed for DIN rail mounting into industrial cabinets or vehicles allowing simple Ethernet connections to be established between PoE devices like cameras or access points. PSI -1010G-24V can with its unique booster technology allow the unit to deliver 48 V to equipment even if the input voltage level is only 8 to 32 V.

Designed to work in industrial environments with its IP 30 Aluminium housing and a wide temperature specification the PSI -1010G-24V is an ideal automation solution,
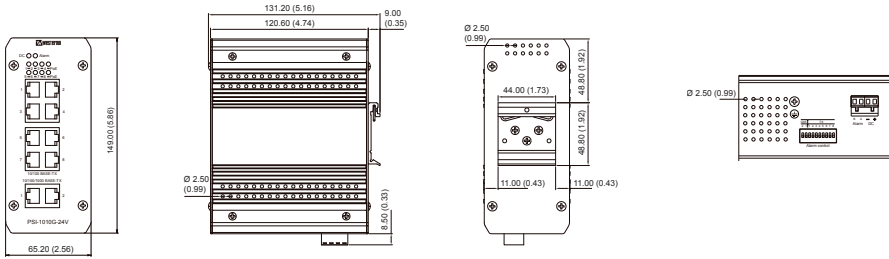
The PSI -1010G-24V is easy to use, simply connect power to the screw terminals and plug in your RJ-45 cables. If you plan to use the fault contacts a DIP switch allows configuration whilst LEDs provide simple diagnostics if required.

Ordering Information	
Art.no	**Description**
3626-0110	Westermo PSI-1010G-24V, 8 × 10/100 Base-TX: RJ-45 PoE (inEEE 802.3af) − 2 × 10/100/1000 Base-TX: RJ-45, −10 to +65°C, 12–24 VDC (out 48 V)

Specifications PSI-1010G-24V

Dimensional drawing

Dimensions (W x H x D)	66 mm x 149 mm x 120.5 mm
Weight	1050 g
Ingress protection	IP 30
Mounting	DIN-rail mounting

Environmental conditions	
Operating temperature	–40 to +70°C (–40 to +158°F)
Storage & Transport temperature	–40 to +85°C (–40 to +185°F)

Power	
Operating voltage	8-32 VDC
Rated voltage	12-24 VDC
Power consumption	15 W @ 24 VDC (No PoE load)

Interfaces	
Ethernet	8 x RJ-45, 10 Mbit/s or 100 Mbit/s PoE 2 x RJ-45, 10 Mbit/s, 100 Mbit/s or 1000 Mbit/s
Digital Output	1 x Dry Relay Output with 1A @ 24 VDC ability

Protocols and Functionality	
Ethernet Technology	IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3x Flow Control and Back Pressure, IEEE 802.3af Power over Ethernet (PoE)
Switch Technology	Store and Forward with 32 Gbp Switch Fabrics
System Throughput	8.3 Mega packets per second, 64Bytes packet length
Transfer Packet size	64 Bytes – 1518 Bytes
MAC Address	8K MAC address table
Packet Buffer	1 Mbits shared packet buffer
Port event output	Ethernet port event alarm. Configurable with DIP-switch.
Power over Ethernet	PoE output: 15 W/port, 48 VDC Power budget: 8 VDC – 60 W, 9-32 VDC – 80 W Output mode: Alternative B

Agency approvals and standards compliance	
EMC	EN 61000-6-2, Immunity industrial environments
	EN 61000-6-4, Emission industrial environments
	Tested and verified for FCC part 15
Safety	UL/EN 60950-1

Westermo *Robust Industrial Data Communications – Made Easy*