

# 8 PoE+2Gb PoE Switch

## Westermo PSI-1010-F2G-48V

- ❏ Eight 10/100TX IEEE 802.3af PoE ports plus two Gigabit SFP fibre uplink ports
- ❏ 65 W total power budget with max. 15.4 W per port for e.g. PoE cameras
- ❏ Two gigabit SFP ports for larger uplink bandwidth
- ❏ Flexible fibre transmission by SFP transceivers
- ❏ QoS for prioritized video transmission
- ❏ Fault relay for active warning of port failure
- ❏ IP31 rugged aluminum case
- ❏ -25 ~ 70°C operating temperature



The Westermo PSI-1010-F2G is a PoE switch featuring 8 Fast Ethernet PoE ports and 2 Gigabit uplink SFP fibre ports to ensure high-bandwidth uplink connection for large-scale surveillance system networks.

The compact IP-31 grade aluminum alloy metal enclosure allows the PSI-1010-F2G to reliably operate under wide temperature ranges (-25 ~ 70°C).

The PSI-1010-F2G delivers 15.4 W per port and 65 W per unit at DC 48 V to PoE-enabled devices such as IP cameras, PoE Wireless APs, PoE IP phones etc.

## Specifications

Technology	
Standard	IEEE802.3 10Base-T, IEEE 802.3u 100Base-TX Fast Ethernet, IEEE 802.3z 1000Base-FX, IEEE802.3x Flow Control and Back-pressure, IEEE 802.3af Power Over Ethernet, IEEE 802.1p Class of Service
PoE output voltage	DC 48 V
Switch Technology	Store and Forward Technology with 32 Gbit/s Switch Fabric

Interface	
Configuration	802.3af compliant PoE ports x 8 1000Base-FX x 2 Auto MDI/MDI-X, Auto Negotiation
Cable	10Base-T: 4-pair UTP/STP Cat. 3, 4, 5 100 ohm (100 m) for PoE 100 Base-TX: 4-pair UTP/STP Cat. 5, 100 ohm (100 m) for PoE
Diagnostic LED	Power (Green) x1 Fault alarm (Red) x1 PoE (Green) x8 Link/Activity (Green) x8 Full duplex/Collision (Yellow) x8 Gigabit Fibre: Link/Act (Green) x2 Gigabit Fibre: Speed (Yellow) x2
Relay Alarm	Dry Relay output with 1 A @ 24 V ability
PoE Technology	Alternative B

Performance	
Transfer Rate	14.880 pps for 10M Ethernet, 148.800 pps for 100M Fast Ethernet, 1.488,100 pps for Gigabit Ethernet
Transfer packet size	64 bytes to 1522 bytes (with VLAN Tag)
MAC Address	8K
Packet Buffer	1 Mbits

Power Requirements	
Power	48 VDC with reverse polarity protection Isolated power input
Power Consumption	30 Watt without PoE loading 95 Watt with full PoE loading

Mechanical	
Construction	Rugged Aluminum Alloy Chassis, IP31 protection
Mounting	DIN-Rail mount
Dimensions	66 (W) x 149 (H) x 120.6 (D) mm
Weight	1.05 kg

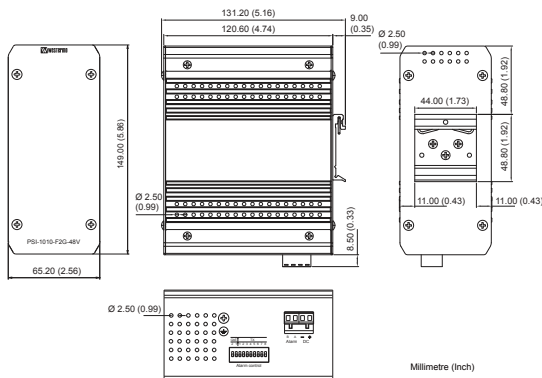
Environmental	
Operating Temperature	-13 ~ 158°F (-25 ~ 70°C), 5 to 95% RH
Storage Temperature	-40 ~ 176°F (-40 ~ 80°C), 5 to 95% RH

Regulatory Approvals	
EMI	FCC class A, CE/EN55022 Class A
EMC	EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11
Shock	IEC60068-2-27 (50 g peak acceleration)
Railway	EN 55022 Class A
Vibration	IEC60068-2-6 (5 g / 5 ~ 500 Hz / random operation)
Warranty	5 years

## Optional Accessories

1 Gbit/s SFP			
GMLC2-DDM	I-line, Multimode, LC-connector, 2 km, DDM, Operating Temp. -10 to +70°C	Art. number	1100-0442
GSLC10-DDM	I-line, Singlemode, LC-connector, 10 km, DDM, Operating Temp. -10 to +70°C		1100-0441
GSLC30-DDM	I-line, Singlemode, LC-connector, 30 km, DDM, Operating Temp. -10 to +70°C		1100-0443
GSLC70-DDM	I-line, Singlemode, LC-connector, 70 km, DDM, Operating Temp. -10 to +70°C		1100-0444

### Dimensions (Unit – mm / In)



### Ordering Information

Art.no	Description
3626-0150	PSI-1010-F2G-48V
	Quick Installation Guide