



Benefits

<ul style="list-style-type: none"> ■ System Interface/Performance <ul style="list-style-type: none"> ➢ RJ-45 port support Auto MDI/MDI-X Function ➢ Auto Negotiation Speed, Half/Full Duplex ➢ Store-and-Forward Switching Architecture ➢ Support Wide Operating Temperature (-40°C ~75°C) 	<ul style="list-style-type: none"> ■ Case/Installation <ul style="list-style-type: none"> ➢ IP-30 Protection ➢ DIN Rail and Wall Mount Design
<ul style="list-style-type: none"> ■ Power Supply <ul style="list-style-type: none"> ➢ Wide-range Redundant Power Design 	<ul style="list-style-type: none"> ■ Power Polarity Reverse Protect ■ Overload Current Re-settable Fuse Present

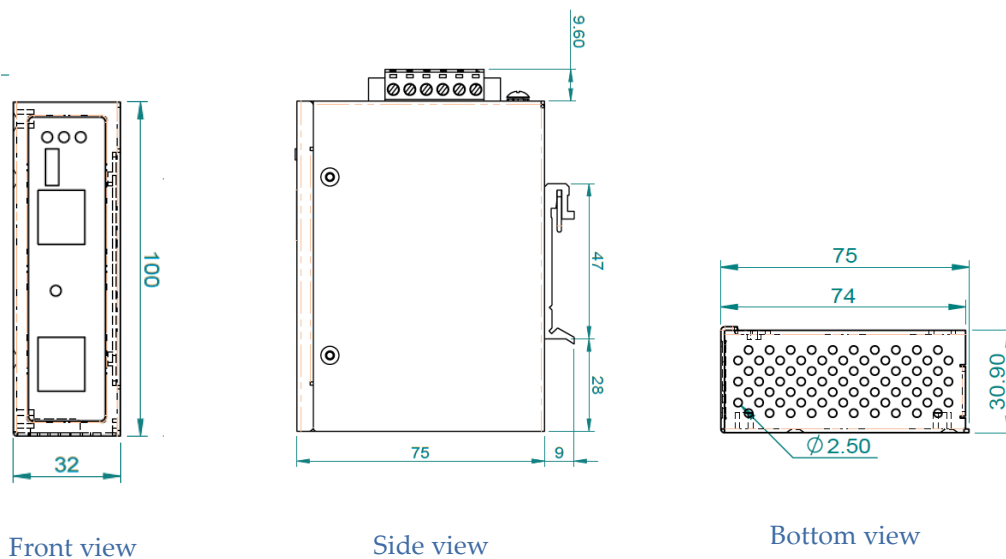
Standard Compliance

Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE802.3af for POE IEEE802.3at for POE+
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Hardware Specification

Switch Architecture	Store and Forward
Network Connector	1xRJ-45 10/100/1000BaseT(X) Data 1xRJ-45 10/100/1000BaseT(X) Data with POE Output power
Network Cable	UTP/STP above Cat.5e Cable EIA/TIA-568 100-ohm (100m)
Protocol	CSMA/CD
LED	PW1(Power 1) Green, PW2(Power 2) Green, ERR(Fault) Amber, POE Status (Green) Flash: Overload ON: POE Normal working OFF: NO POE power detected
POE Pin Assignment	IGP-3011 and IGP-3011-B End-Span Alternative A mode Positive (VCC+): RJ-45 pin 1,2 Negative (VCC-): RJ-45 pin 3,6 IGP-6011 and IGP-6011-B Default: Mode B, V+, V+, V-, V- for pin 4, 5, 7, 8 DIP switch setting can be changed to Mode A, V+, V+, V-, V- for pin 1, 2, 3, 6 (DIP Switch: To select Mode A, or Mode B (Default) To select power output 30watts or 60watts,
Reverse protection	Polarity Present
Overload current protection	Present
Power Supply	IGP-3011(Redundant Dual DC 42-58V Power Input) IGP-3011-B(Redundant Dual DC 12/24/48VDC, Range 12VDC-55VDC Power Input) IGP-6011(Redundant Dual 48VDC input, power range 42VDC to 57VDC Power Input) IGP-6011-B(Redundant Dual DC 18V-55V Power Input)

Power Consumption(Without POE)	IGP-3011(1 W@48 VDC full load, Without POE) IGP-3011-B(1 W@12/24/48 VDC full load, Without POE) IGP-6011(1 W@48 VDC full load, Without POE) IGP-6011-B(1 W@24/48 VDC full load, Without POE)
Input Current	IGP-3011 and IGP-3011-B Max 3A @12VDC input IGP-6011 and IGP-6011-B Max 2.5A @48VDC input
Alarm Relay Contact	Relay outputs with current carrying capacity of 1 A @24VDC, Relay in short circuit mode when 2 powers are connected. in open circuit mode when only one power supply is connected
POE power	IGP-3011 and IGP-3011-B POE power 30watts. Maximum 36Watts IGP-6011 and IGP-6011-B Maximum POE power 60watts Provide 2 Redundant power , Alarm relay contact ,6 Pin Wire range: 0.34mm ² to 2.5mm ²
Removable Block	Terminal Solid wire (AWG):12-24/14-22 Stranded wire(AWG): 12-24/14-22 Torque:5lb-In/0.5Nm/0.56Nm Wire Strip length: 7-8mm
Operating Temperature	-40°C ~75°C fully tested.
Surface temperature	Surface temperature rises 6°C full load in a 75°C chamber
Operating Humidity	5% to 95% (Non-condensing)
Storage Temperature	-40°C ~85°C
MTBF (mean time between failure)	5,510,304 hrs (MIL-HDBK-217F) at 25°C
Housing	Rugged Metal ,IP30 Protection
Case Dimension	102mmx32mmx75mm (LxWxD)
Installation mounting	DIN Rail mounting, wall mounting
EMC/EMS	CE, FCC
EMI	FCC Part 15 Subpart B Class A,



Order Information

Product Name	Description
IGP-3011	30Watts, 48 VDC Input , Single port Giga POE+ Injector, with 1xGiga TX POE+, 1x10/100/1000M TX
IGP-3011-B	Voltage Booster Model, 30Watts, 12/24/48 VDC Input , Single port Giga POE+ Injector, with 1xGiga TX POE+, 1x10/100/1000M TX
IGP-6011	60Watts, 48 VDC Input , Single port Giga POE+ Injector, with 1xGiga TX POE+, 1x10/100/1000M TX
IGP-6011-B	Voltage Booster Model, 60Watts, 24/48 VDC Input , Single port Giga POE+ Injector, with 1xGiga TX POE+, 1x10/100/1000M TX