



IGP-1001 Version: 1

! Power supply unit is to be ordered separately.

10-Port Gigabit PoE Industrial Switch, 8 PoE Outputs, 2 x Gigabit SFP/RJ45 Combo

This IGP-1001 Industrial 10 port Gigabit PoE Switch complies with IEEE802.3af and IEEE802.3at, and pass many rigorous environment tests. It delivers 30Watts (Max 36Watts) power per PoE port, also generates up to 240Watts power to PD devices. The uplink 2 Gigabit TX/SFP Combo ports can extend to a multiple network connection. With its multi-purpose design, which can also be used for DinRail or Wall Mounted. This is an ideal unit for IP surveillance, traffic monitoring and security applications. It can tolerate -40 to +75°C in harsh environment to perform a reliable network.

Key Features

- 1000Mbps full-duplex, 10/100Mbps full/half-duplex, auto-negotiation, auto-MDI/MDIX
- IEEE 802.3af/at PoE PSE with 30W power budget
- -40°C to 75°C operating temperature range
- Supports DIN-rail installation

Specifications

System Specifications

Standards & Protocols:

IEEE 802.3 10Base-T Ethernet
 IEEE 802.3u 100Base-TX Fast Ethernet
 IEEE 802.3ab 1000Base-T Gigabit Ethernet
 IEEE 802.3z 1000Base-X Gigabit Ethernet
 IEEE802.3x Flow Control and Back Pressure,
 IEEE802.3af for POE
 IEEE802.3at for POE+

Connectors and Cabling:

8 x RJ-45 10/100/1000BaseT(X) auto negotiation,
 Auto MDI/MDI-X function, Full/Half duplex
 8 x Gigabit POE+ 802.3at/af PSE port, 30W per port
 2 x 100/1000M TX/SFP Combo

Indicator:

P1(Power 1) Green,
 P2(Power 2) Green,
 P3(Power 3) Amber for External Power adapter
 RLY (Relay) Amber

TX/RJ-45 port: port 1 to port 8
 Green --- LNK (Link/Active)
 Amber --- POE



TX/RJ-45 port: port T9 and port T10
Green – LNK (Link/Active)
SFP Fiber Per port: port F9 to F10
Green --- Link/Active

Power Input:

P1 and P2 for Redundant Dual DC 48V-56V
P3 for Power DIN to connect external power adapter DC 48-56V
For Switch only --- Power input range DC 12-56VDC
For POE --- Power input range 48-56VDC

Power Output:

POE power per port 30watts. Maximum 36Watts with 56VDC input.
Maximum total power 240Watts with 56VDC input

Power Consumption:

5.76W@48 VDC full load, Without POE

Backplane (Gbps):

Back-plane (Switching Fabric): 26 Gbps

MAC Address Table:

16K

Features

General:

1000Base-T, 100Base-Tx,
10Base-T Ethernet
8 Port PoE Output

PoE:

PoE power per port 30Watts,
Maximum 36Watts
Maximum total power 240Watts with 56VDC input

Ease of Use:

Plug & Play

Performance

Packet Forwarding Rate:

1.488 * 10 Mpps

Jumbo Frame (K):

10KB

Environment

Temperature (°C):

-40?~75? fully tested

Humidity (Non-condensing):

5% to 95% (Non-condensing)

Physical Specifications

Dimensions (W x D x H mm):

48 x 120 x 155 mm

Weight (g):

450g

Reliability

MTBF:

>500,000 hrs (MIL-HDBK-217F) at 25°C

Approval and Compliance

EMI/EMS:

CE, FCC, VCCI

FCC Part 15 Subpart B Class A,

CE EN 55022 Class A

Safety:

IEC EN60950-1

Environmental Test:

EN 60068-2-6

EN 60068-2-27

EN 60068-2-32

Order Information

IGP-1001

Package Contents

IGP-1001

User Manual

Din-rail Mount Kit