![level one logo]

IES-0610 Version: 1

🔵 **Power supply unit is to be ordered separately.**

6-Port Gigabit PoE Industrial Switch, 802.3at/af PoE, 4 PoE Outputs, 1 x SFP, 1 x SFP/RJ45 Combo, -40°C to 75°C, DIN-Rail, 126W

 LevelOne IES-0610 Industry Ethernet Switch provides 4 PoE ports 10/100/1000Base plus 2 port Gigabit SFP to enable high speed network at mission-critical environment. With the industrial standard DIN-rain mount; this switch can be easily installed in the cabinet, plus the clearly visible status LEDs provide simple monitoring of port link activity. Moreover, the SFP slots support pluggable modules that enabling you to choose from a variety of transceivers. This switch is Power Sourcing Equipment (PSE), and it is fully complied with IEEE 802.3at PoE standard at maximum 30W power budget per port. It helps to save infrastructure wiring costs dramatically by eliminating electric wiring and less UPS needed. Also, it is compatible with IEEE802.3af standard PD devices.

Key Features

- 4 Gigabit PoE ports, 1 Gigabit SFP slot and 1 Gigabit RJ45/SFP Combo port
- Total PoE power budget: 126W, up to 30W per port
- -40°C to 75°C operating temperature range
- IP30 metal case
- Redundant power inputs with Terminal Block

Specifications

System Specifications

Standards & Protocols:
IEEE 802.3 10-BASE-T, Ethernet
IEEE 802.3u 100-BASE-TX, Fast Ethernet
IEEE 802.3ab 1000Base-T Gigabit Ethernet
IEEE 802.3z 1000Base-X Gigabit Ethernet
IEEE802.3x Flow Control and Back Pressure
IEEE 802.3af Power over Ethernet (PoE)
IEEE 802.3at Power over Ethernet Plus (PoE+)

Buffer Memory:
1024KB

Port:
4 x 10/100/1000Mbps PoE RJ45 port
1 x Gigabit Combo (RJ45 / SFP)
1 x 100/1000Base-X SFP Slot
1 x Terminal Block

Button/Knob:
DIP1 On : Port 5 supports TX Copper
DIP1 Off : Port 5 supports SFP (Default)
DIP2 : Reserved

Indicator:
PW1 (Power 1) : Green / PW2 (Power 2) : Green / ERR (Fault) : Amber
LNK (RJ45) : Green
SPD : Amber (1000) / Green (100) / Off (10)
SFP : Green (Link / Active)

Transmission Method:
Store-and-Forward

Power Input:
48-55 VDC Dual power input capable (Redundancy)
Protection:
Polarity Reversal
Overload Current

Power Output:
Alarm Relay Output 1A @ 24VDC

Power Consumption:
6 watts (with no PoE PD attached)
160 watts (with full PoE PD attached)

Backplane (Gbps):
12Gbps

MAC Address Table:
1K

Data Rate:
10/100/1000Mbps

Features

PoE:
Power Budget: Max. 126W
PD classification identity
PoE over current protection
PoE circuit sorting protection
PoE Power Output: Max. 15.4 watts (802.3af) or 36 watts (802.3at)
Power Pin Assignment: 1/2(+), 3/6(-)

Performance

Packet Forwarding Rate:
1000Mbps port - 1,488,000pps
100Mbps port - 148,000pps
10Mbps port - 14,880pps

Jumbo Frame (K):
10 K

Environment

Operating Temperature (°C):
Operating: - 40°C ~ 75°C
Storage: - 40°C ~ 85°C

Operating Humidity (Non-condensing):
Storage: 5% ~ 95%
Operating: 5% ~ 95%

Installation:
Desk, wall and chassis mounted

Physical Specifications

Dimensions (W x D x H mm):
40 x 105 x 38 mm

Weight (g):
720 g

Reliability

MTBF:
510,304 hrs

Approval and Compliance

EMI/EMS:
FCC Part 15 Subpart B Class A
CE
VCCI

Safety:
EN60950-1

Environmental Test:
EN61000-4-2 (ESD) Level 3
EN61000-4-3 (RS) Level 3
EN61000-4-4 (EFT) Level 3
EN61000-4-5 (Surge) Level 3
EN61000-4-6 (CS) Level 3
EN61000-4-8 (Magnetic Field) Level 3
UL508 (Pending)
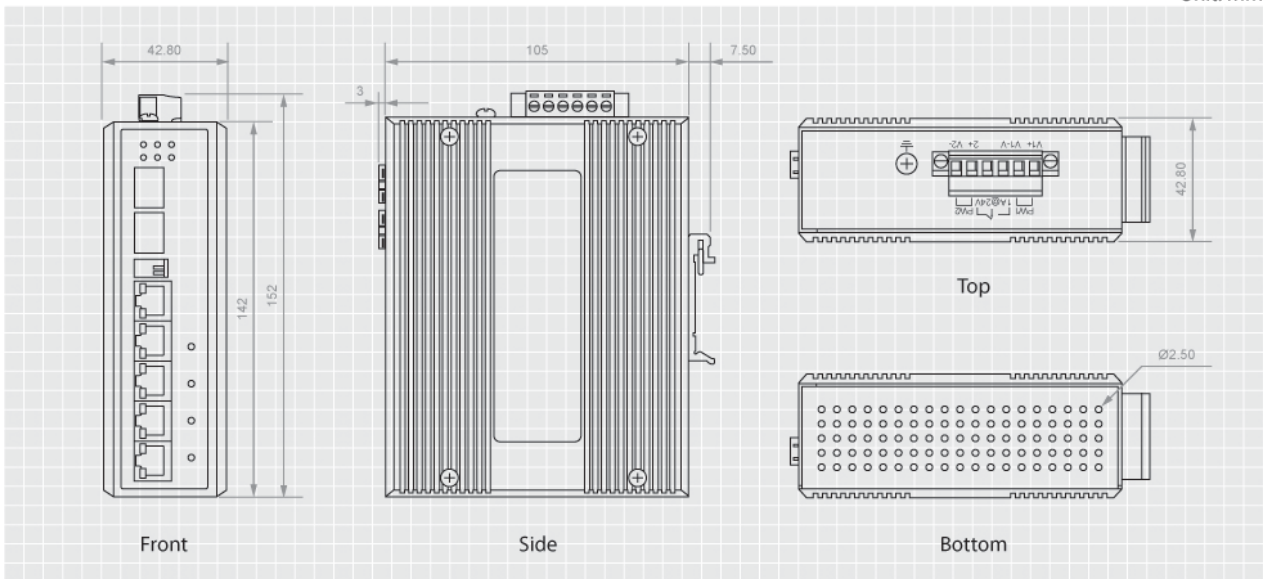EN 50121-4 (Pending)
IEC 60068-2-27
IEC 60068-2-32
IEC 60068-2-6
UL 508

Diagram

Unit: mm

Front   Side   Top   Bottom

Order Information

IES-0610

Package Contents

IES-0610
Quick Installation Guide