

IVS-802GT-8PH24

8x FE RJ45 with 8x PoE + 2x GbE RJ45, 24/48VDC, E-Mark

- ▲ 24/48VDC redundant dual input power with built-in very high efficiency booster
- ▲ Regulate PoE output voltage (53VDC) to stabilize PoE device, and guarantee delivery PoE power distance to 100meter
- ▲ E-Mark, EN50121-4, EN61000-6-2, EN61000-6-4, CE and FCC certified



Industrial grade E-Mark certified PoE switch IVS-802GT-8PH24, with 2 Gigabit UTP ports and 8 10/100 PoE ports, input power range 24/48VDC, suitable for vehicle battery power supply. E-Mark is a European conformity mark that certifies that a vehicle or vehicle part complies with EU regulations. Laws and directives to ensure adequate safety and meet all environmental requirements for vehicle installation.

Features

- Provides 8x IEEE 802.3at/af PoE+ output, 30W/per port
- Supports flow control
- Jumbo frame support
- IP30 rugged metal housing and fanless
- Wide operating temperature -40 ~ 75° C ("E" model)

Specifications

| | | |
|-------------------------------------|---|---|
| Standard | IEEE 802.3 | 10Base-T Ethernet |
| | IEEE 802.3u | 100Base-TX Fast Ethernet |
| | IEEE 802.3ab | 1000Base-T Gigabit Ethernet |
| | IEEE 802.3x | Flow Control and Back Pressure |
| | IEEE 802.3af | PoE (Power over Ethernet) |
| | IEEE 802.3at | PoE+ (Power over Ethernet enhancements) |
| Switch Architecture | Back-plane (Switching Fabric): 5.6Gbps (Full wire-speed) | |
| Data Processing | Store and Forward | |
| Flow Control | IEEE 802.3x flow control, back pressure flow control | |
| Jumbo Frame | 9K Bytes | |
| MAC Address Table | 4K | |
| PoE standard & RJ-45 Pin Assignment | 8x IEEE 802.3at/af PoE+ 2 pairs PoE, PoE+ Positive (V+) : RJ-45 pin 1, 2. Negative (V-) : RJ-45 pin 3, 6. Data (1, 2, 3, 6, 4, 5, 7, 8) | |
| Network Connector | 8x 10/100Base-TX RJ45 and 2x 10/100/1000Base-T(x) RJ45, Auto negotiation speed, Auto MDI/MDI-X function, Full/Half duplex | |
| Network Cable | UTP/STP Cat. 5e cable or above | |
| | EIA/TIA-568 100-ohm (100 meter) | |
| Protocols | CSMA/CD | |

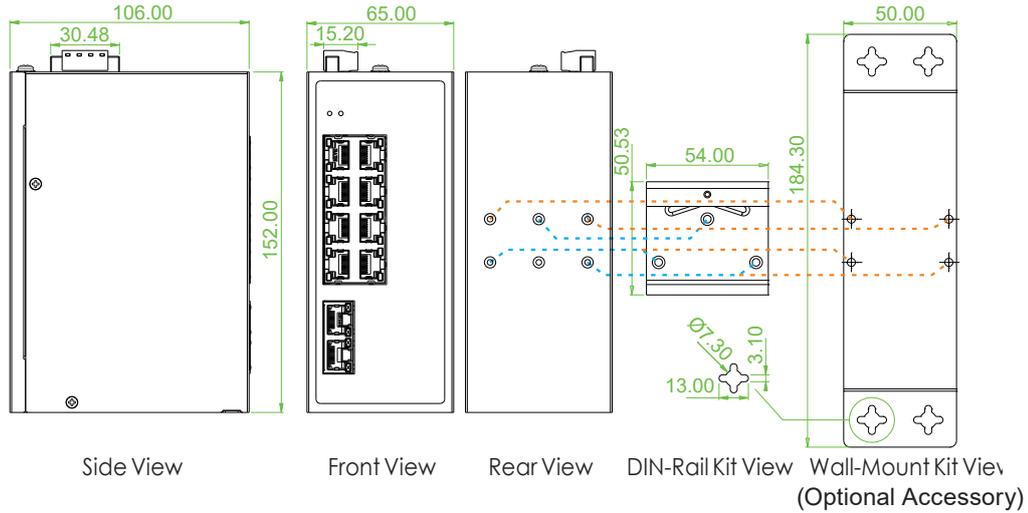
E-Mark Certified PoE Switch

| | | | | |
|-----------------------------|--|-------------------------|--------------------------|------------------|
| LED | System: Power 1 (Green), Power 2 (Green) | | | |
| | UTP: 10/100 Link/Active (Green), 1000 Link/Active (Amber) | | | |
| | PoE:ON (Green) | | | |
| Reverse Polarity Protection | Supported for Power Input | | | |
| Overload Current Protection | Supported | | | |
| Power Supply | Redundant Dual DC 24/48VDC (20~57VDC) input power (Removable Terminal Block) | | | |
| | Built-in very high efficiency booster(94~97%) to rise up 53VDC for PoE output | | | |
| | Regulated PoE output voltage (53VDC) to stabilize PoE device, and guarantee delivery PoE power distance to 100 meter | | | |
| Power Consumption | Input Voltage | Total Power Consumption | Device Power Consumption | PoE Power Budget |
| | 24VDC | 135.6W | 11W | 120W |
| | 48VDC | 132.1W | 9.8W | 120W |
| PoE Power Budget | Total 120W, 30W/port | | | |
| Removable Terminal Block | Provides 2 Redundant power, 4 pin | | | |
| Operating Temperature | -10 ~ 60°C (IVS-802GT-8PH24) | | | |
| | -40 ~ 75°C (IVS-802GT-8PHE24) | | | |
| Operating Humidity | 5% to 95% (Non-condensing) | | | |
| Dimensions | 106 x 55.5 x 135mm (D x W x H) | | | |
| Housing | Rugged Metal, IP30 Protection, Fanless | | | |
| Weight | 795g | | | |
| Installation Mounting | DIN Rail mounting, or wall mounting (Optional accessories) | | | |
| MTBF | 490,144 Hours (MIL-HDBK-217) | | | |
| Warranty | 5 years | | | |

Certification

| | |
|---|---|
| EMC | CE (EN55032, EN55035) |
| EMI (Electromagnetic Interference) | FCC Part 15 Subpart B Class A, CE EN55022 Class A |
| Vehicle | E13, E-Mark @24VDC |
| Railway Traffic | EN50121-4 |
| Immunity for Heavy Industrial Environment | EN61000-6-2 |
| Emission for Heavy Industrial Environment | EN61000-6-4 |
| EMS (Electromagnetic Susceptibility) Protection Level | EN61000-4-2 (ESD) Level 3, Criteria B |
| | EN61000-4-3 (RS) Level 3, Criteria A |
| | EN61000-4-4 (Burst) Level 3, Criteria A |
| | EN61000-4-5 (Surge) Level 3, Criteria B |
| | EN61000-4-6 (CS) Level 3, Criteria A |
| | EN61000-4-8 (PFMF, Magnetic Field) Field Strength: 300A/m, Criteria A |
| Shock | IEC 60068-2-27 |
| Freefall | IEC 60068-2-32 |
| Vibration | IEC 60068-2-6 |

Dimensions



Ordering Information

| Model Name | Total Port | RJ45 UTP Port | | PoE Port | | Input Power | | Certification | | | Operating Temperature |
|------------------|------------|-----------------------|----------------|----------------|--------------|-------------|--------|---------------|----------------------------|---------|-----------------------|
| | | 10/100/1000 Base-T(X) | 10/100 Base-TX | IEEE802.3af/at | Power Budget | Redundant | E Mark | EN50121-4 | EN61000-6-2 EN61000-6-4 | CE, FCC | |
| IVS-802GT-8PH24 | 10 | 2 | 8 | 8 | 120W | 24/48VDC | V | V | V | V | -10~60°C |
| IVS-802GT-8PHE24 | 10 | 2 | 8 | 8 | 120W | 24/48VDC | V | V | V | V | -40~75°C |

Optional Accessories

Industrial Power Supply

NDR-240-48 Industrial Power, Input 90 ~ 264VAC/127 ~ 370VDC, Output 48VDC, 240W, -20 ~ +70°C