

NEW

IVS-G802T-8PH24

10x GbE RJ45 with 8x PoE, 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-G802T-8PH24, with 2 Gigabit UTP ports and 8 Gigabit 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): 20Gbps (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	10x RJ-45, 10/100/1000Base-T, 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	

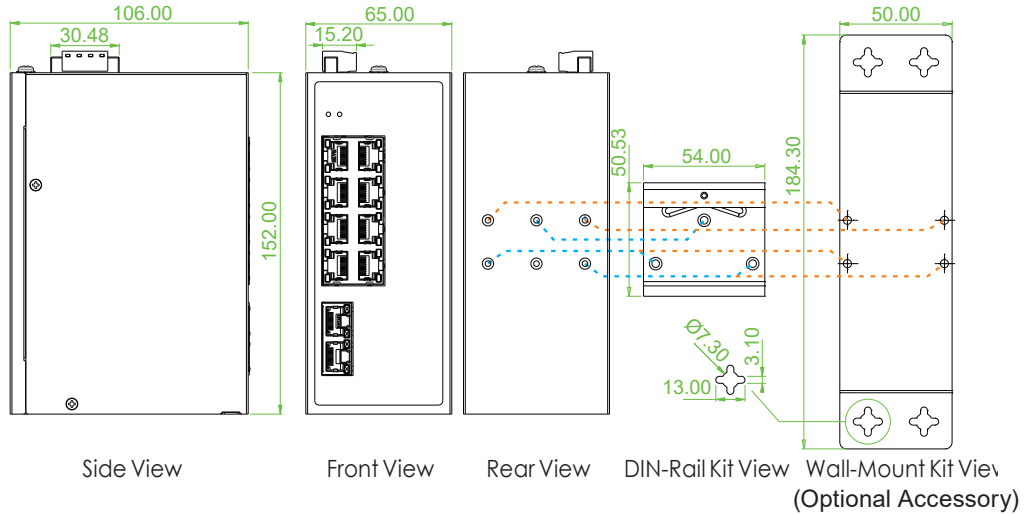
E-Mark Certified PoE Switch

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	<table border="1"> <thead> <tr> <th>Input Voltage</th> <th>Total Power Consumption</th> <th>Device Power Consumption</th> <th>PoE Power Budget</th> </tr> </thead> <tbody> <tr> <td>24VDC</td> <td>134.5W</td> <td>9.9W</td> <td>120W</td> </tr> <tr> <td>48VDC</td> <td>131W</td> <td>8.7W</td> <td>120W</td> </tr> </tbody> </table>	Input Voltage	Total Power Consumption	Device Power Consumption	PoE Power Budget	24VDC	134.5W	9.9W	120W	48VDC	131W	8.7W	120W
Input Voltage	Total Power Consumption	Device Power Consumption	PoE Power Budget										
24VDC	134.5W	9.9W	120W										
48VDC	131W	8.7W	120W										
PoE Power Budget	Total 120W, 30W/port												
Removable Terminal Block	Provides 2 Redundant power, 4 pin												
Operating Temperature	-10 ~ 60°C (IVS-G802T-8PH24) -40 ~ 75°C (IVS-G802T-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)	IEEE802.3af/at	Power Budget	Redundant	E Mark	EN50121-4	EN61000-6-2 EN61000-6-4	CE, FCC	
IVS-G802T-8PH24	10	2	8	120W	24/48VDC	V	V	V	V	-10~60°C
IVS-G802T-8PHE24	10	2	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
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