

## 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 8x 10/100Mbps 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/port
- Supports flow control
- Jumbo frame support
- IP30 rugged metal housing and fanless
- Wide operating temperature -40 ~ 75°C ("E" model)

### Specifications

<b>Standard</b>	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)
<b>Switch Architecture</b>	Back-plane (Switching Fabric): 5.6Gbps (Full wire-speed)	
<b>Data Processing</b>	Store and Forward	
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control	
<b>Jumbo Frame</b>	9K Bytes	
<b>MAC Address Table</b>	4K	
<b>PoE standard &amp; RJ-45 Pin Assignment</b>	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)	
<b>Network Connector</b>	8x 10/100Base-TX RJ45 and 2x 10/100/1000Base-T(X) RJ45, Auto negotiation speed, Auto MDI/MDI-X function, Full/Half duplex	
<b>Network Cable</b>	UTP/STP Cat. 5e cable or above EIA/TIA-568 100-ohm (100 meter)	
<b>Protocols</b>	CSMA/CD	

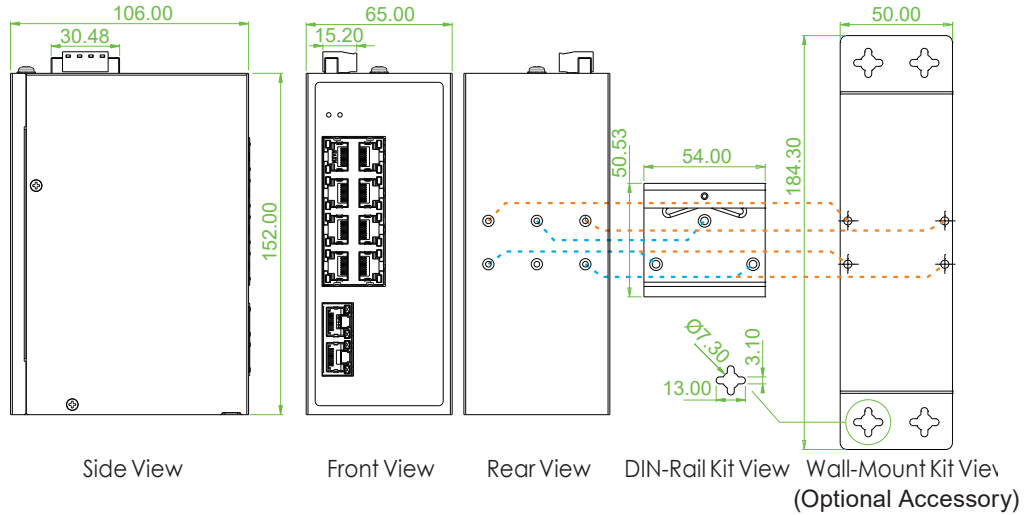
# E-Mark Certified PoE Switch

<b>LED</b>	System: Power 1 (Green), Power 2 (Green) UTP: 10/100 Link/Active (Green), 1000 Link/Active (Amber) PoE: ON (Green)			
<b>Reverse Polarity Protection</b>	Supported for Power Input			
<b>Overload Current Protection</b>	Supported			
<b>Power Supply</b>	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			
<b>Power Consumption</b>	<b>Input Voltage</b>	<b>Total Power Consumption</b>	<b>Device Power Consumption</b>	<b>PoE Power Budget</b>
	24VDC	135.6W	11W	120W
	48VDC	132.1W	9.8W	120W
<b>PoE Power Budget</b>	Total 120W, 30W/port			
<b>Removable Terminal Block</b>	Provides 2 Redundant power, 4 pin			
<b>Operating Temperature</b>	-10 ~ 60°C (IVS-802GT-8PH24) -40 ~ 75°C (IVS-802GT-8PHE24)			
<b>Operating Humidity</b>	5% to 95% (Non-condensing)			
<b>Dimensions</b>	106 x 55.5 x 135mm (D x W x H)			
<b>Housing</b>	Rugged Metal, IP30 Protection and Fanless			
<b>Weight</b>	795g			
<b>Installation Mounting</b>	DIN Rail mounting or wall mounting (Optional accessories)			
<b>MTBF</b>	490,144 Hours (MIL-HDBK-217)			
<b>Warranty</b>	5 years			
<b>Certification</b>				
<b>EMC</b>	CE (EN55032, EN55035)			
<b>EMI (Electromagnetic Interference)</b>	FCC Part 15 Subpart B Class A, CE EN55022 Class A			
<b>Vehicle</b>	E13, E-Mark @24VDC			
<b>Railway Traffic</b>	EN50121-4			
<b>Immunity for Heavy Industrial Environment</b>	EN61000-6-2			
<b>Emission for Heavy Industrial Environment</b>	EN61000-6-4			
<b>EMS (Electromagnetic Susceptibility) Protection Level</b>	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			
<b>Shock</b>	IEC 60068-2-27			
<b>Freefall</b>	IEC 60068-2-32			
<b>Vibration</b>	IEC 60068-2-6			

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### Dimensions



### Ordering Information

Model Name	Total Port	RJ45		PoE		Input Power	Certification				Operating Temperature
		10/100/1000 Base-T(X)	10/100 Base-TX	IEEE 802.3af/at	Power Budget		Redundant	E Mark	EN50121-4	EN61000-6-2 EN61000-6-4	
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
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