

# IVS-802GT

8x FE RJ45 and 2x GbE RJ45, E-Mark

- ▲ 24/48VDC redundant dual input power
- ▲ E-Mark, EN50121-4, EN61000-6-2, EN61000-6-4, CE and FCC certified



Industrial grade E-Mark certified PoE switch IVS-802GT, with 2 Gigabit UTP ports and 8 10/100 UTP 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

- Supports flow control
- Jumbo frame support
- IP30 rugged metal housing and fanless
- Wide operating temperature -40 ~ 75° C ("E" model)

## Specifications

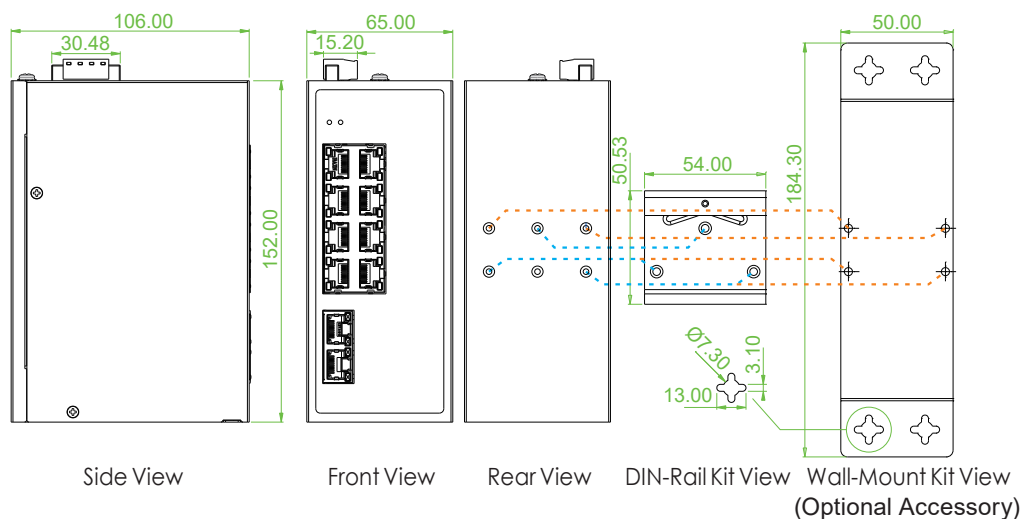
Standard	IEEE 802.3	10Base-T Ethernet						
	IEEE 802.3u	100Base-TX Fast Ethernet						
	IEEE 802.3ab	1000Base-T Gigabit Ethernet						
	IEEE 802.3x	Flow Control and Back Pressure						
Switch Architecture	Back-plane (Switching Fabric): 5.6Gbps (Full wire-speed)							
Data Processing	Store and Forward							
Flow Control	IEEE 802.3x flow control, back pressure flow control							
Jumbo Frame	9K Bytes							
MAC Address Table	4K							
Network Connector	8x 10/100Base-TX RJ4 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							
LED	System: Power 1 (Green), Power 2 (Green)							
	UTP: 10/100 Link/Active (Green), 1000 Link/Active (Amber)							
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)							
Power Consumption	<table border="1"> <thead> <tr> <th>Input Voltage</th> <th>Device Power Consumption</th> </tr> </thead> <tbody> <tr> <td>24VDC</td> <td>9.9W</td> </tr> <tr> <td>48VDC</td> <td>8.7W</td> </tr> </tbody> </table>		Input Voltage	Device Power Consumption	24VDC	9.9W	48VDC	8.7W
	Input Voltage	Device Power Consumption						
	24VDC	9.9W						
48VDC	8.7W							
Removable Terminal Block	Provides 2 Redundant power, 4 pin							
Operating Temperature	-10 ~ 60°C (IVS-802GT)							
	-40 ~ 75°C (IVS-802GT-E)							
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	600g
Installation Mounting	DIN Rail mounting, or wall mounting (Optional accessories)
MTBF	658,027 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		Input Power	Certification				Operating Temperature
		10/100/1000Base-T(X)	10/100Base-TX		Redundant	E Mark	EN50121-4	EN61000-6-2, EN61000-6-4	
IVS-802GT	10	2	8	24/48VDC	V	V	V	V	-10~60°C
IVS-802GT-E	10	2	8	24/48VDC	V	V	V	V	-40~75°C

## Optional Accessories

### Industrial Power Supply

MDR-20-24	Industrial Power, Input 85 ~ 264VAC/120 ~ 370VDC, Output 24VDC, 24W, -20 ~ +70°C
MDR-40-48	Industrial Power, Input 85 ~ 264VAC/120 ~ 370VDC, Output 48VDC, 40W, -20 ~ +70°C