6 IVS-G802T

CTC union

10x GbE RJ45, E-Mark

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

E13 CE FC EN50121-4 EN61000-6-2 EN61000-6-4

Industrial grade E-Mark certified Ethernet switch IVS-G802T, with 10G 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
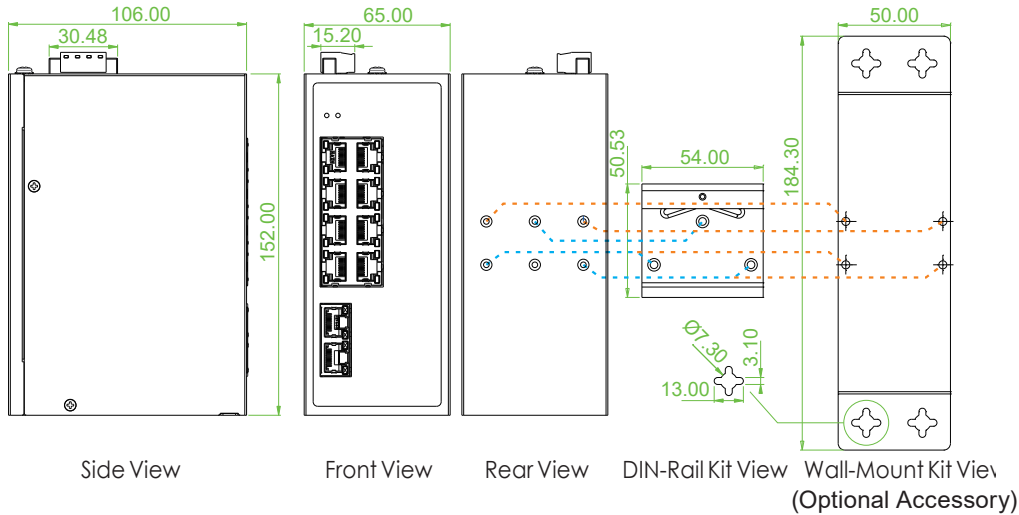- Wide operating temperature -40 ~ 75°C ("E" model)

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): 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	
Network Connector	10x 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	Input Voltage	Device Power Consumption
	24VDC	11W
	48VDC	9.8W

Removable Terminal Block	Provides 2 Redundant power, 4 pin	
Operating Temperature	-10 ~ 60°C (IVS-G802T)	
	-40 ~ 75°C (IVS-G802T-E)	

E-Mark Certified GbE Switch

Operating Humidity	5% to 95% (Non-condensing)
Dimensions	106 x 55.5 x 135mm (D x W x H)
Housing	Rugged Metal, IP30 Protection and 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

Side View   Front View   Rear View   DIN-Rail Kit View   Wall-Mount Kit View (Optional Accessory)

Ordering Information

Model Name	Total Port	RJ45	Input Power	Certification				Operating Temperature
		10/100/1000 Base-T(X)	Redundant	E Mark	EN50121-4	EN61000-6-2 EN61000-6-4	CE FCC	
IVS-G802T	10	10	24/48VDC	V	V	V	V	-10~60°C
IVS-G802T-E	10	10	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