

IGS-800

8x GbE RJ45

- ▲ Provides a DIP-Switch to set functions
- ▲ Supports power failure alarm message by relay
- ▲ 12/24/48VDC (9.6~60VDC) redundant dual input power
- ▲ IP30, rugged metal housing, fanless
- ▲ EN50121-4, EN61000-6-2, EN61000-6-4, CE and FCC certified



The industrial unmanaged Gigabit Ethernet switch IGS-800 provides stable and reliable Ethernet transmission, features 8 ports Gigabit UTP. Housed in rugged enclosures, designed for harsh environments, fanless, high MTBF, supports wide operating temperature, and redundant 12/24/48VDC power input, it is suitable for heavy-duty applications such as industrial networking, intelligent transportation systems (ITS) and are also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications.

Features

- Supports flow control
- Jumbo frame support
- Supports IEEE 802.3az Green Ethernet
- Supports auto-negotiation and auto-MDI/MDI-X
- Supports DIN Rail or wall mounting installation
- Wide operating temperature -40~75° C (-E model)

Specifications

Standard	IEEE 802.3	10Base-T Ethernet
	IEEE 802.3u	100Base-TX and 100Base-FX Fast Ethernet
	IEEE 802.3ab	1000Base-T Gbit/s Ethernet over twisted pair
	IEEE 802.3z	1000Base-X Gbit/s Ethernet over Fiber-Optic
	IEEE 802.3x	Flow Control
Switch Architecture	Back-Plane (Switching Fabric): 16 Gbps (Full Wire-Speed)	
Data Processing	Store and Forward	
Flow Control	IEEE 802.3x flow control for Full duplex , back pressure for half duplex	
Provides Broadcast Storm Protection	Supported	
Jumbo Frame	9.6KBytes	
MAC Address Table	8K	
Packet Buffer Size	512K Byte	
Network Connector	8 x 10/100/1000Base-T RJ-45	
	10/100/1000Base-TX Auto negotiation speed, Auto MDI/MDI-X function, Full/Half duplex	
Network Cable	UTP/STP Cat. 5 cable or above	
	EIA/TIA-568 100-ohm (100meter)	
Protocols	CSMA/CD	

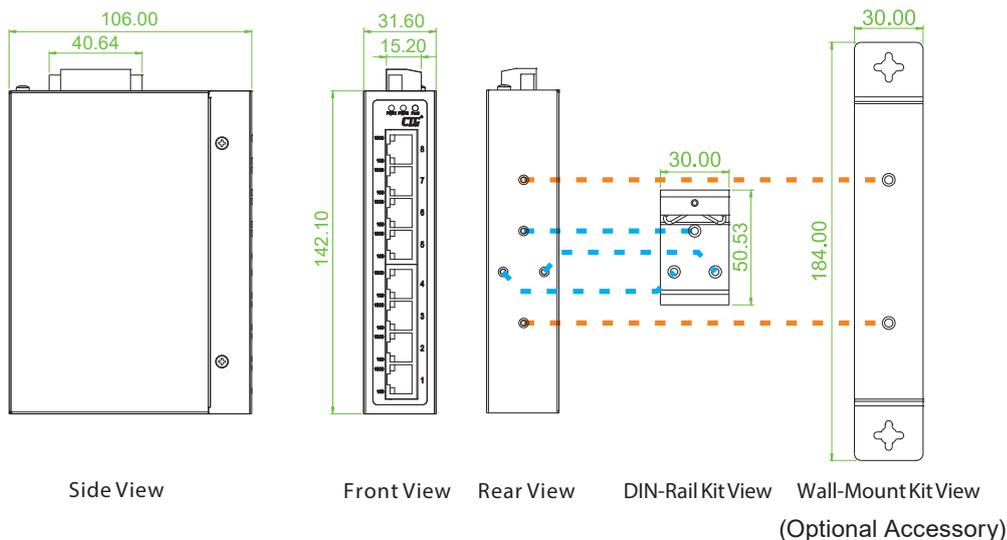
Industrial GbE Switch

LED	System: Power 1 (Green), Power 2 (Green), Fault (Amber) UTP: 10/100 Link/Active (Green), 1000 Link/Active (Yellow) SFP Slot: Link/Active (Green)									
DIP SW	DIP 1	ON : Disable OFF : Enable power failure alarm								
	DIP 2	ON : Disables broadcast storm protection OFF : Enable broadcast storm protection Green Ethernet								
	DIP 3	ON : Disable Green Ethernet OFF : Enable 802.3az Green Ethernet								
Reverse Polarity Protection	Supported for Power Input									
Overload Current Protection	Supported									
Power Supply	Redundant Dual DC 12/24/48V (9.6~60VDC), or AC 24V (18~36VAC) Input power (Removable Terminal Block)									
Power Consumption	<table border="1"> <thead> <tr> <th>Input Voltage</th> <th>Total Power Consumption</th> </tr> </thead> <tbody> <tr> <td>12 VDC</td> <td>7.0W</td> </tr> <tr> <td>24 VDC</td> <td>7.0W</td> </tr> <tr> <td>48 VDC</td> <td>8.7W</td> </tr> </tbody> </table>		Input Voltage	Total Power Consumption	12 VDC	7.0W	24 VDC	7.0W	48 VDC	8.7W
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12 VDC	7.0W									
24 VDC	7.0W									
48 VDC	8.7W									
Alarm Relay Contact	Relay outputs with current carrying capacity of 1 A @24VDC, NC									
Removable Terminal Block	Provides 2 redundant power, alarm relay contact, 6 Pin									
Operating Temperature	-10°C~60°C (IGS-800) -40°C~75°C (IGS-800-E)									
Operating Humidity	5% to 95% (Non-condensing)									
Storage Temperature	-40 ~ 85°C									
Housing	Rugged Metal, IP30Protection and fanless									
Dimensions	106 x 31.6 x 142 mm (D x W x H)									
Weight	0.44kg									
Installation Mounting	DIN Rail mounting, or wall mounting (Optional)									
MTBF	747,984hrs (MIL-HDBK-217)									
Warranty	5 years									

Certification

EMC/EMS	CE (EN55032, EN55035)
EMI (Electromagnetic Interference)	FCC Part 15 Subpart B Class A, CE
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	Power Input	Certification			Operating Temperature
		10/100/1000Base-T	Redundant	EN50121-4	EN61000-6-2 EN61000-6-4	CE, FCC	
IGS-800	8	8	12/24/48VDC	V	V	V	-10~60°C
IGS-800-E	8	8	12/24/48VDC	V	V	V	-40~75°C

Optional Accessories

■ Wall Mount Kit

IND-WMK01 Wall Mount kit for Industrial product (184x30mm) (Narrow)

■ 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