

IGS-800C-8PH

8x GbE RJ45 with 8x PoE, Compact size 240W, 48VDC

- ▲ 48VDC (44~57VDC) redundant dual input power
- ▲ IP30, rugged metal housing, fanless
- ▲ 4KV surge protection for RJ45 and PoE ports
- ▲ EN50121-4, EN61000-6-2, EN61000-6-4, CE and FCC certified



The industrial compact size 8-port PoE Ethernet switch, unmanaged plug-and-play easy for use, has 8 Gigabit UTP ports and each port supports 30W PoE+. fanless design, high MTBF, supports wide operating temperature, redundant 48VDC power input, suitable for heavy-duty applications in harsh environments, such as industrial factory automations, data centers, intelligent transportation systems, military and utility market applications where environmental conditions exceed commercial product specifications.

Features

- Provides 8-port IEEE 802.3at/af PoE+ output (30W per port, total 240W)
- 48VDC (44~57VDC) redundant dual input power
- Supports flow control
- Jumbo frame support
- Supports DIN Rail or wall mounting installation
- Wide operating temperature -40 ~ 70° C ("E" model)

Specifications

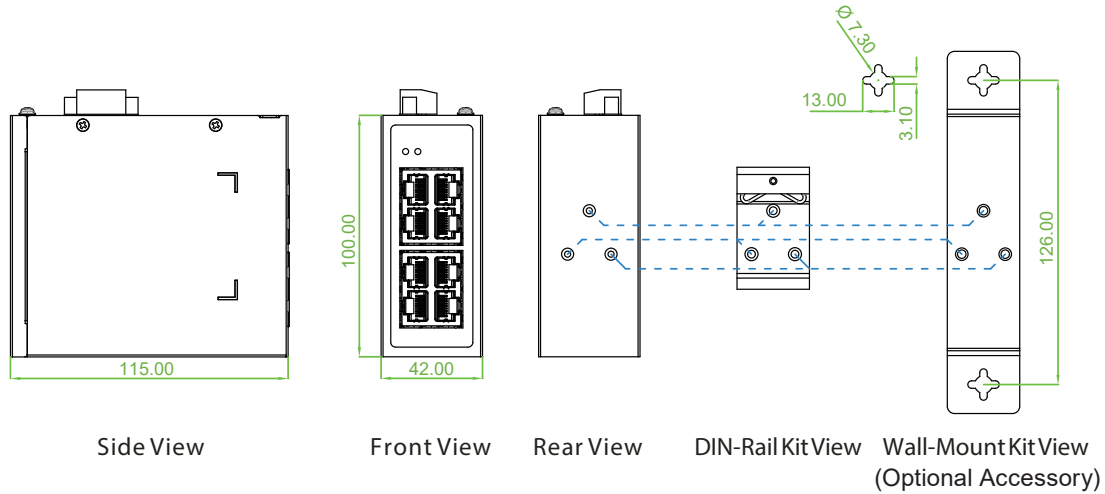
Standard	IEEE 802.3	10Base-T Ethernet
	IEEE 802.3u	100Base-TX Fast Ethernet
	IEEE 802.3ab	1000Base-T Gigabit Ethernet
	IEEE 802.3x	Flow Control and Back Pressure
	IEEE 802.3at	PoE+ (Power over Ethernet enhancements)
	IEEE 802.3af	PoE (Power over Ethernet)
Switch Architecture	Back-Plane (Switching Fabric): 16Gbps (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	8x 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 (100meter)	
Protocols	CSMA/CD	

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 48V (44~57VDC) input power (Removable terminal block) (50~57V input is recommended for IEEE 802.3at PoE+)			
Power Consumption	Input Voltage	Total Power Consumption	Device Power Consumption	PoE Budget
	50 VDC	247.6W	6.8W	240W
PoE Power Budget	Maximum PoE Output power budget 240W, 30W/ per port			
Removable Terminal Block	Provides 2 Redundant power, 4 pin			
Operating Temperature	-10 ~ 60°C (IGS-800C-8PH) -40 ~ 70°C (IGS-800C-8PHE)			
Operating Humidity	5% to 95% (Non-condensing)			
Dimensions	100x 42x 115mm (D X W X H)			
Housing	Rugged Metal, IP30 Protection, Fanless			
Weight	0.95kg			
Installation Mounting	DIN Rail mounting, or wall mounting (Optional accessories)			
MTBF	1,494,598 Hours (MIL-HDBK-217)			
Warranty	5 years			

Certification

EMC	CE (EN55024, EN55032)
EMI (Electromagnetic Interference)	FCC Part 15 Subpart B Class A, CE EN55022 Class A
Railway Traffic	EN50121-4
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
Surge Protection	4KV for PoE and UTP ports
Immunity for Heavy Industrial Environment	EN61000-6-2
Emission for Heavy Industrial Environment	EN61000-6-4
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)	IEEE802.3 at/af	Power Budget	Redundant	Railway EN50121-4	EN61000-6-2 EN61000-6-4	CE, FCC	
IGS-800C-8PH	8	8	8	240W	48VDC	V	V	V	-10~60°C
IGS-800C-8PHE	8	8	8	240W	48VDC	V	V	V	-40~70°C

Optional Accessories

■ Wall Mount Kit

IND-WMK03 Wall Mount kit for Industrial product (Compact, 150 x 30mm)

■ Industrial Power Supply

NDR-240-48 Industrial Power, Input 90 ~ 264VAC/127 ~ 370VDC, Output 48VDC, 240W, -20 ~ +70°C

NDR-480-48 Industrial Power, Input 90 ~ 264VAC/127 ~ 370VDC, Output 48VDC, 480W, -20 ~ +70°C