

IGS-800C-8PH

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

- ◆ 48VDC (44~57VDC) Redundant Dual Power Input
- ◆ 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 PoE switch IGS-800C-8PH 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 power input
- Supports flow control
- Jumbo frame supported
- Supports DIN Rail or wall mounting installation
- Wide operating temperature -40 ~ 70°C ("E" model)

Specifications

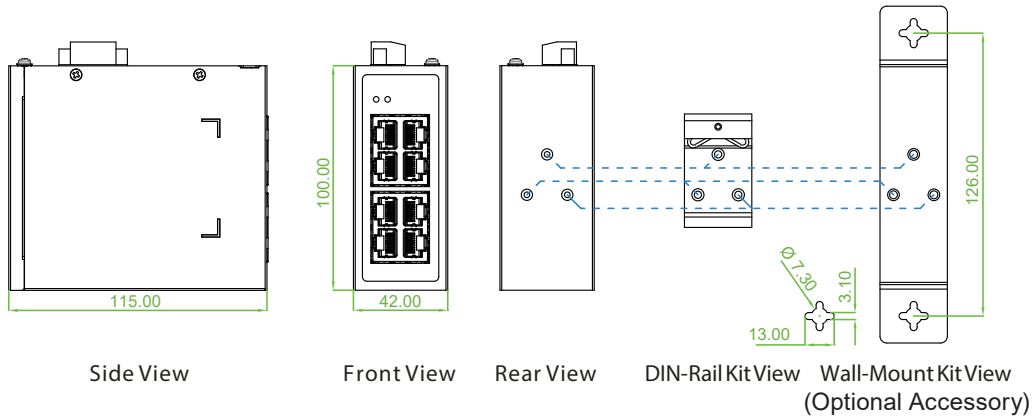
Standard	IEEE 802.3	10Base-T Ethernet
	IEEE 802.3u	100Base-TX Fast Ethernet
	IEEE 802.3ab	1000Base-T Gigabit Ethernet
	IEEE 802.3x	Flow Control and Back Pressure
	IEEE 802.3at	PoE+ (Power over Ethernet enhancements)
	IEEE 802.3af	PoE (Power over Ethernet)
Switch Architecture	Back-Plane (Switching Fabric): 16Gbps (Full Wire-Speed)	
Data Processing	Store and Forward	
Flow Control	IEEE 802.3x flow control, back pressure flow control	
Jumbo Frame	9KB	
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)	

Industrial GbE PoE Switch



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
	50 VDC	247.6W	6.8W
PoE Power Budget	Maximum PoE Output power budget 240W, 30W/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	100 x 42 x 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	PoE		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