

## IGS-800C-8PH

8x GbE RJ45 with 8x PoE, Low profile size (240W, 48VDC)

**NEW**



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



IGS-800C-8PH is an unmanaged, industrial grade, Gigabit PoE switch with 8x 10/100/1000Base-T PoE ports that provide stable and reliable Ethernet transmissions. Housed in rugged DIN rail or wall mountable enclosures, these switches are designed for harsh environments, such as industrial networking, security automation applications, IP Surveillance, intelligent transportation systems (ITS) and are also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications (See figure 1). Standard operating temperature range models (-10 to 60°C) and wide operating temperature range models (-40 to 70°C) fulfill the special needs of industrial automation applications.

### 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

<b>IEEE Standard</b>	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 802.3af PoE (Power over Ethernet) IEEE 802.3at PoE+ (Power over Ethernet enhancements)	<b>Power Supply</b>	Redundant Dual DC 48V (44~57VDC) input power (Removable terminal block) (50~57V input is recommended for IEEE 802.3at PoE+)										
<b>Switch Architecture</b>	Back-plane (Switching Fabric): 16Gbps Full wire-speed	<b>Power Consumption</b>	<table border="1"><thead><tr><th>Input Voltage</th><th>Total Power Consumption</th><th>Device Power Consumption</th><th>PoE Budget</th></tr></thead><tbody><tr><td>50VDC</td><td>247.6W</td><td>6.8W</td><td>240W</td></tr></tbody></table>	Input Voltage	Total Power Consumption	Device Power Consumption	PoE Budget	50VDC	247.6W	6.8W	240W		
Input Voltage	Total Power Consumption	Device Power Consumption	PoE Budget										
50VDC	247.6W	6.8W	240W										
<b>Data Processing</b>	Store and Forward	<b>PoE Power Budget</b>	Maximum PoE Output power budget 240W, 30W/per port										
<b>Flow Control</b>	IEEE 802.3x flow control, back pressure flow control	<b>Removable Terminal Block</b>	Provides 2 Redundant power, 4 pin										
<b>Jumbo Frame</b>	9K Bytes	<b>Operating Temperature</b>	-10 ~ 60°C (IGS-800C-8PH) -40 ~ 70°C (IGS-800C-8PHE)										
<b>MAC Address Table</b>	4K	<b>Operating Humidity</b>	5% to 95% (Non-condensing)										
<b>PoE standard &amp; RJ-45 Pin Assignment</b>	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)	<b>Dimensions</b>	100x 42x 115mm (D X W X H)										
<b>Network Connector</b>	8x RJ-45 10/100/1000Base-T auto negotiation speed, Auto MDI/MDI-X function, Full/Half duplex	<b>Housing</b>	Rugged Metal, IP30 Protection, Fanless										
<b>Network Cable</b>	UTP/STP above Cat. 5e cable EIA/TIA-568 100-ohm (100m)	<b>Weight</b>	0.950kg										
<b>Protocols</b>	CSMA/CD	<b>Installation Mounting</b>	DIN Rail mounting, or wall mounting (Optional accessories)										
<b>LED</b>	Per unit: Power 1 (Green), Power 2 (Green) Per port: 10/100 Link/Active (Green) 1000 Link/Active (Amber)  Per Port PoE LED • Active : ON • Inactive : OFF	<b>MTBF</b>	1,494,598 Hours (MIL-HDBK-217)										
<b>Reverse Polarity Protection</b>	Supported for Power Input	<b>Warranty</b>	5 years										
<b>Overload Current Protection</b>	Supported	<b>Certification</b>											
		<b>EMC</b>	CE (EN55024, EN55032)										
		<b>EMI (Electromagnetic Interference)</b>	FCC Part 15 Subpart B Class A, CE EN55022 Class A										
		<b>Railway Traffic</b>	EN50121-4										
		<b>Immunity for Heavy Industrial Environment</b>	EN61000-6-2										
		<b>Emission for Heavy Industrial Environment</b>	EN61000-6-4										

