



Benefits

<ul style="list-style-type: none"> ■ System Interface/Performance <ul style="list-style-type: none"> ➢ 10/100/1000T RJ-45 port support Auto MDI/MDI-X Function, Auto Negotiation, Full/Half Duplex ➢ Store-and-Forward Switching Architecture ➢ Back-plane (Switching Fabric): 16Gbps ➢ 1Mbits Memory Buffer ➢ 8K MAC address table ➢ Jumbo Frame 9KB ■ Power Supply <ul style="list-style-type: none"> ➢ Redundant Dual DC 12-56V Power Input 	<ul style="list-style-type: none"> ■ Case/Installation <ul style="list-style-type: none"> ➢ IP-30 Protection ➢ DIN Rail and Wall Mount Design ■ Support -40°C ~75°C
	<ul style="list-style-type: none"> ■ Reverse Polarity Protection ■ Overload Current Protection

Standard Compliance

IEEE Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3z 1000Base-X Gigabit Ethernet IEEE802.3x Flow Control and Back Pressure, IEEE802.3af for POE IEEE802.3at for POE+
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Hardware Specification

Switch Architecture	Back-plane (Switching Fabric): 16Gbps Packet throughput ability (Full-Duplex): 1.488Mpps @64bytes
Transfer Rate	14,880pps for Ethernet port 148,800pps for Fast Ethernet 1,488,000pps for Gigabit Ethernet port
Memory Buffer	1 M bits
MAC Address	8 K
Jumbo Frame	9KB
Connector	10/100/1000T: 8 x RJ-45 with auto MDI/MDI-X function UTP/STP Above Cat. 5e Cable
Network Cable	EIA/TIA-568 100-ohm(100m) Fiber Cable(Multi-mode): 50/125um, 62.5/125um Fiber Cable(Single Mode):9/125um
Protocol	CSMA/CD
LED	PW1(Power 1) Green, PW2(power 2) Green, SW(fault) Amber TX/RJ-45 port: LNK(Link/Active) Green, Amber: POE Detectd
Alarm Relay Contact	Relay outputs with current carrying capacity of 1 A @24VDC, Relay in short circuit mode when 2 powers are connected. in open circuit mode when only one power supply is connected

Removable Terminal Block	Provide 2 Redundant power , Alarm relay contact ,6 Pin Wire range: 0.34mm ² to 2.5mm ² Solid wire (AWG):12-24/14-22 Stranded wire(AWG): 12-24/14-22 Torque:5lb-In/0.5Nm/0.56Nm Wire Strip length: 7-8mm
Overload current protection & Reverse polarity protection	Present
Power Supply	Redundant Dual DC 12-56V Power Input
Operating Humidity	5%~95% (Non-condensing)
Operating Temperature	-40°C~75°C
Storage Temperature	-40°C~85°C
MTBF(mean time between Failure)	510K hrs (MIL-HDBK-217F) at 25°C
Case Dimension	Metal case. IP-30, 36mm (W) x 105mm (D) x 142mm (H)
Installation	DIN Rail and Wall Mount Design
Certification	
EN55022/24	ITE equipment
EN50155	Railways Applications Electronic Equipment used on Rolling Stock
EN55011	Industrial, Scientific and Medical (ISM) equipment
EN50121-3-2	Railway Applications – Electromagnetic Compatibility – Part 3-2 Rolling Stock - Apparatus
EN50121-4	Railway Applications – Electromagnetic Compatibility – Part4 Emissions and Immunity of the Signaling and Telecommunications Apparatus
Safety	IEC EN60950-1
EMC/EMS	CE, FCC, VCCI
EMI	FCC Part 15 Subpart B Class A, CE EN 55022 Class A
EN 50155 / EN 60068-2-6	Vibration
EN 50155 / EN 60068-2-27	Shock
EN 50155 / EN 60068-2-32	Free Fall

Order Information

Product Name	Description
IGS-U071T	8 x 10/100/1000T Industrial Gigabit Switch(-40°C~75°C) 12-56 VDC Redundant Power Input

Housing Dimension

