



Industrial 8-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Ethernet Switch (-40~75 degrees C)

» IGS-1020PTF



- Overview
- Applications
- Key Features
- Specifications**
- Related Products

Copper Ports	8 10/100/1000BASE-T RJ45 auto-MDI/MDI-X ports
PoE Injector Ports	8 ports with 802.3at PoE+ injector function (Ports 1 to 8)
SFP Slots	2 1000BASE-SX/LX/BX SFP interfaces (Ports 9 to 10) Compatible with 100BASE-FX SFP
Connector	Removable 6-pin terminal block Pin 1/2 for Power 1; Pin 3/4 for fault alarm; Pin 5/6 for Power 2
DIP Switch	Standard/Extend mode (Extend mode for Ports 5 to 8 only)
LED Indicators	3 x LED for System and Power: Green: DC Power 1 Green: DC Power 2 Red: Power Fault Alarm 8 x LED for PoE Copper Port (Ports 1 to 8): Green: LNK/ACT (10/100/1000Mbps) Amber: PoE-in-Use 2 x LED for 100/1000X Fiber Port (Ports 9 to 10): Green: LNK/ACT (100/1000Mbps) Amber: 1000Mbps 4 x LED for PoE Usage Amber: 60W, 120W, 180W and 240W
Power Requirements	48~56V DC, 6A (max.)
Power Consumption	Max. 3.92 watts/13BTU@56V DC input (System) Max. 7.28 watts/24BTU@56V DC input (Ethernet Full Loading) Max. 251.2 watts/857BTU@56V DC input (Ethernet + PoE Full Loading)
Dimensions (W x D x H)	66 x 106 x 152 mm
Weight	879g
Enclosure	IP30 metal case
Installation	DIN-rail/ wall-mount/side wall-mount
ESD Protection	6KV



Switch Architecture	Store-and-Forward
Switch Fabric	20Gbps
Throughput (packet per second)	14.8Mpps@64bytes
Address Table	8K entries
Buffer Memory	4M bits on-chip buffer memory
Jumbo Frame	9Kbytes
Flow Control	Back pressure for half duplex IEEE 802.3x pause frame for full duplex

PoE Standard	IEEE 802.3at Power over Ethernet Plus/PSE
PoE Power Supply Type	End-span
Power Pin Assignment	1/2 (+), 3/6 (-)
PoE Power Output	Per port 48~56V DC Max. 30 watts
PoE Power Budget (max.)	240W maximum
Max. Number of Class 3 PDs@25W	8

Regulatory Compliance	FCC Part 15 Class A, CE
Stability Testing	IEC 60068-2-32 (free fall)
	IEC 60068-2-27 (shock)
	IEC 60068-2-6 (vibration)
Standards Compliance	IEEE 802.3 Ethernet
	IEEE 802.3u Fast Ethernet
	IEEE 802.3ab Gigabit Ethernet
	IEEE 802.3z Gigabit Ethernet over Fiber Optic
	IEEE 802.3az Energy Efficient Ethernet (EEE)
	IEEE 802.3at Power over Ethernet Plus
	IEEE 802.3af Power over Ethernet

Temperature	Operating: -40~75 degrees C Storage: -40~85 degrees C
Humidity	Operating: 5~90% (non-condensing) Storage: 5~90% (non-condensing)

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PWR-240-48	48V, 240W DIN-rail Power Supply (NDR-480-48, adjustable 48-56V DC Output)
PWR-480-48	48V, 480W DIN-rail Power Supply (NDR-480-48, adjustable 48-56V DC Output)



