

IGS-804SM-8PH

8x GbE RJ45 + 4x 100/1000Base-X SFP with 8x PoE

- 2.25K VDC Hi-pot isolation protection for Ethernet ports and power
- ▲ 4KV surge protection for UTP and fiber ports
- ▲ EN60950-1,EN50121-4, EN61000-6-2, EN61000-6-4, CE and FCC certified













Industrial grade managed Gigabit PoE switch with 8 Gigabit UTP ports, each port complies with IEEE802.3af/at PoE standard, the total PoE power budget is 240 watts, 4 100/1000 SFP slots for fiber optic connections to meet the requirements for extended transmission distance. Fanless design, high MTBF, supports wide operating temperature, and has redundant 48VDC power input, providing stable and reliable transmission, suitable for heavy-duty applications in harsh environments, such as industrial factory automation and data centers, intelligent transportation systems, and environmental conditions exceeding commercial product specifications Military and utility market applications.

Features

- 8x 10/100/1000Base-T RJ-45 and 4x 100/1000Base-X SFP with 8x IEEE 802.3af/at PoE,240W PoE power budget
- Redundant dual DC input power 48VDC (44~57VDC)
- Isolated RS-232 console port
- Cable diagnostic, Measuring cable normal or broken point distance
- STP, RSTP, MSTP, ITU-T G.8032 Ethernet Ring Protection Switching (ERPS) for redundant cabling
- Provides 5 instances that each can support μ-Ring, μ-Chain or Sub-Ring type for flexible uses. Supports up to 5 rings in one device (Please see CTC μ-Ring white paper for more details and more topology application)
- μ-Ring for Redundant Cabling, recovery time<10ms in 250 devices
- DHCP Server/Client/Relay /Relay option 82 /Snooping
- QoS, Traffic classification QoS, CoS, bandwidth control for Ingress and Egress, Storm Control, DiffServ
- IEEE 802.1q VLAN, MAC based VLAN, IP subnet based VLAN, Protocol based VLAN, VLAN translation, GVRP, MVR
- Dynamic IEEE 802.3ad LACP Link Aggregation, Static Link Aggregation
- IGMP snooping V1/V2/V3, IGMP Filtering/ Throttling, IGMP query, IGMP proxy reporting, MLD snooping V1/V2
- Security: Port based and MAC based IEEE 802.1X, RADIUS, ACL, TACACS+, HTTP/HTTPS, SSL/SSH v2
- Software upgrade via TFTP and HTTP, redundant firmware to avoid in case of upgrade failure
- Supports IEEE 1588 PTP V2 for precise time synchronization to operate in Ordinary-Boundary, Peer to Peer Transparent Clock, End to End Transparent Clock, Master, Slave mode by each port
- RMON, MIB II, Port mirroring, Event syslog, DNS, NTP, SNTP, IEEE 802.1ab LLDP
- Supports IPv6 Telnet server /ICMP v6
- CLI, Web based management, SNMP v1/v2c/v3, Telnet/SSH server for management

Specifications

Standard	IEEE 802.3	10Base-T 10Mbit/s Ethernet	
	IEEE 802.3u	100Base-TX, 100Base-FX, Fast Ethernet	
	IEEE 802.3ab	1000Base-T Gbit/s Ethernet over twisted pair	
	IEEE 802.3z	1000Base-X Gbit/s Ethernet over Fiber-Optic	
	IEEE 802.3af	PoE (Power over Ethernet)	
	IEEE 802.3at	PoE+ (Power over Ethernet enhancements)	
	IEEE 802.1d	STP (Spanning Tree Protocol)	



Standard	IEEE 802.1w	RSTP (Rapid Spanning Tree	Protocol)	
	IEEE 802.1s	MSTP (Multiple Spanning Tr		
	ITU-T G.8032 / Y.1344			
	IEEE 802.1Q	Virtual LANs (VLAN)	<u> </u>	
	IEEE 802.1X	, ,	Network Access Control, Authen	tication
	IEEE 802.3ac	Max frame size extended to		
	IEEE 802.3ad		l links with LACP(Link Aggregation	Control Protoco
	IEEE 802.3x Flow control for Full Duplex			
	IEEE 802.1ad	Stacked VLANs, Q-in-Q		
	IEEE 802.1p	LAN Layer 2 QoS/CoS Proto	col for Traffic Prioritization	
	IEEE 802.1ab	Link Layer Discovery Protoc	col (LLDP)	
	IEEE 802.3az	EEE (Energy Efficient Etherr	net)	
VLAN ID	4094 IEEE 802.1Q VLA	AN VID		
Switch Architecture	Back-plane (Switching	g Fabric): 24Gbps (Full wire-sp	peed)	
Data Processing	Store and Forward			
Flow Control	IEEE 802.3x for full du	plex mode Back pressure for	half duplex mode	
Network Connector		ΓRJ-45 + 4x 100/1000Base-X \$		
	RJ-45 UTP port support Auto negotiation speed, Auto MDI/MDI-X function			
PoE standard & RJ-45 Pin	SFP port support dua 8x IEEE 802.3af/at Pol			
Assignment	2 pairs PoE, PoE+, 30V			
	End-Span, Alternative	A mode.		
	Positive (V+): RJ-45 p			
Camaala	Negative (V-): RJ-45 p	oin 3, 6.		
Console	RS-232 (RJ-45)	• 1.1.		
Network Cable	UTP/STP above Cat. 5			
Dustanala	EIA/TIA-568 100-ohm	(100m)		
Protocols	CSMA/CD			
Reverse Polarity Protection	1 1			
Overload Current Protection	1 1			
CPU Watch Dog	Supported	8VDC (44~57VDC) Input powe		
Power Supply	Removable Terminal	8VDC (44~57VDC) input power Block for input power connec mmended for IEEE 802.3at Pc	ctor	
Power Consumption	Input Voltage	Total Power Consumption	Device Power Consumption	PoF Budget
Power Consumption	Input Voltage	Total Power Consumption	Device Power Consumption	PoE Budget
	50 VDC	253.5W	13.5W	240W
	50 VDC Per unit: Power 1 (Green)	253.5W een), Power 2 (Green), Fault (A	13.5W mber), CPU Act (Green), Ring Mast	240W
Power Consumption LED	50 VDC Per unit: Power 1 (Green Per RJ-45 port: 10/100)	253.5W een), Power 2 (Green), Fault (A 0 Link/Active (Green), 1000 Lin	13.5W mber), CPU Act (Green), Ring Mast	240W
	50 VDC Per unit: Power 1 (Gre Per RJ-45 port: 10/100 SFP Fiber Per port: Lin	253.5W een), Power 2 (Green), Fault (A 0 Link/Active (Green), 1000 Lin nk/Active (Green)	13.5W mber), CPU Act (Green), Ring Mast nk/Active (Amber)	240W cer (Yellow)
LED	Per unit: Power 1 (Green Per RJ-45 port: 10/100 SFP Fiber Per port: Line PoE Port LED, 1 LED / 100 Port LED	253.5W een), Power 2 (Green), Fault (A 0 Link/Active (Green), 1000 Lin nk/Active (Green)	13.5W mber), CPU Act (Green), Ring Mast	240W cer (Yellow)
LED Jumbo Frame	50 VDC Per unit: Power 1 (Green Per RJ-45 port: 10/100) SFP Fiber Per port: Line Poet Port LED, 1 LED / 19.6KB	253.5W een), Power 2 (Green), Fault (A 0 Link/Active (Green), 1000 Link/Active (Green) per Port: PoE Output Power C	13.5W mber), CPU Act (Green), Ring Mast nk/Active (Amber) On : ON (Green), PoE Output Powe	240W cer (Yellow)
Jumbo Frame IEEE 802.3ac	Per unit: Power 1 (Gre Per RJ-45 port: 10/100 SFP Fiber Per port: Lin PoE Port LED, 1 LED / 9.6KB Max frame size extend	253.5W een), Power 2 (Green), Fault (A 0 Link/Active (Green), 1000 Lin nk/Active (Green)	13.5W mber), CPU Act (Green), Ring Mast nk/Active (Amber) On : ON (Green), PoE Output Powe	240W cer (Yellow)
Jumbo Frame IEEE 802.3ac MAC Address Table	50 VDC Per unit: Power 1 (Green Per RJ-45 port: 10/100 SFP Fiber Per port: Line PoE Port LED, 1 LED / 19.6KB Max frame size extend 8K	253.5W een), Power 2 (Green), Fault (A 0 Link/Active (Green), 1000 Link/Active (Green) per Port: PoE Output Power Coded to 1522Bytes (allow Q-taged)	13.5W mber), CPU Act (Green), Ring Mast nk/Active (Amber) On : ON (Green), PoE Output Powe	240W cer (Yellow)
Jumbo Frame IEEE 802.3ac MAC Address Table Memory Buffer	50 VDC Per unit: Power 1 (Green Per RJ-45 port: 10/100 SFP Fiber Per port: Line Poet Port LED, 1 LED / 9.6KB Max frame size extend 8K 512K Bytes for packet	253.5W sen), Power 2 (Green), Fault (A U Link/Active (Green), 1000 Link/Active (Green) per Port: PoE Output Power Coded to 1522Bytes (allow Q-tage) buffer	13.5W mber), CPU Act (Green), Ring Mast nk/Active (Amber) On : ON (Green), PoE Output Powe g in packet)	240W cer (Yellow)
Jumbo Frame IEEE 802.3ac MAC Address Table Memory Buffer Warning Message	Per unit: Power 1 (Green Per RJ-45 port: 10/100 SFP Fiber Per port: Lin PoE Port LED, 1 LED / 9.6KB Max frame size extend 8K 512K Bytes for packet System Syslog, SMTP/	253.5W een), Power 2 (Green), Fault (A D Link/Active (Green), 1000 Link/Active (Green) per Port: PoE Output Power C ded to 1522Bytes (allow Q-tag buffer / e-mail event message, alarn	13.5W mber), CPU Act (Green), Ring Mast nk/Active (Amber) On : ON (Green), PoE Output Powe g in packet)	240W cer (Yellow)
Jumbo Frame IEEE 802.3ac MAC Address Table Memory Buffer Warning Message Alarm Relay Contact	Per unit: Power 1 (Green Per RJ-45 port: 10/100 SFP Fiber Per port: Line PoE Port LED, 1 LED / 19.6KB Max frame size extend 8K 512K Bytes for packet System Syslog, SMTP/Relay outputs with cut	253.5W een), Power 2 (Green), Fault (A U Link/Active (Green), 1000 Link/Active (Green) per Port: PoE Output Power C ded to 1522Bytes (allow Q-tag buffer / e-mail event message, alarn urrent carrying capacity of 1 A	13.5W mber), CPU Act (Green), Ring Mast nk/Active (Amber) On: ON (Green), PoE Output Powe g in packet) on relay @24VDC	240W cer (Yellow)
Jumbo Frame IEEE 802.3ac MAC Address Table Memory Buffer Warning Message Alarm Relay Contact Removable Terminal Block	Per unit: Power 1 (Green Per RJ-45 port: 10/100 SFP Fiber Per port: Line PoE Port LED, 1 LED / 9.6KB Max frame size extend 8K 512K Bytes for packet System Syslog, SMTP/Relay outputs with cur Provide 2 redundant provide 2 red	253.5W sen), Power 2 (Green), Fault (A 0 Link/Active (Green), 1000 Link/Active (Green) per Port: PoE Output Power Coded to 1522Bytes (allow Q-tag) buffer / e-mail event message, alarn prent carrying capacity of 1 A power, alarm relay contact, 6	13.5W mber), CPU Act (Green), Ring Mast nk/Active (Amber) On: ON (Green), PoE Output Powe g in packet) on relay @24VDC	240W cer (Yellow)
Jumbo Frame IEEE 802.3ac MAC Address Table Memory Buffer Warning Message Alarm Relay Contact Removable Terminal Block	Per unit: Power 1 (Green Per RJ-45 port: 10/100 SFP Fiber Per port: Line PoE Port LED, 1 LED / 19.6KB Max frame size extend 8K 512K Bytes for packet System Syslog, SMTP/Relay outputs with cut	253.5W een), Power 2 (Green), Fault (A 0 Link/Active (Green), 1000 Link/Active (Green) per Port: PoE Output Power Coded to 1522Bytes (allow Q-tag) t buffer / e-mail event message, alarn prent carrying capacity of 1 A power, alarm relay contact, 6 1-8PH)	13.5W mber), CPU Act (Green), Ring Mast nk/Active (Amber) On: ON (Green), PoE Output Powe g in packet) on relay @24VDC	240W cer (Yellow)
Jumbo Frame IEEE 802.3ac MAC Address Table Memory Buffer Warning Message Alarm Relay Contact Removable Terminal Block Operating Temperature	Per unit: Power 1 (Green Per RJ-45 port: 10/100 SFP Fiber Per port: Lin PoE Port LED, 1 LED / 9.6KB Max frame size extend 8K 512K Bytes for packet System Syslog, SMTP/Relay outputs with cur Provide 2 redundant provide 2 redu	253.5W een), Power 2 (Green), Fault (A 0 Link/Active (Green), 1000 Link/Active (Green) per Port: PoE Output Power Coded to 1522Bytes (allow Q-tage) buffer / e-mail event message, alarn arrent carrying capacity of 1 A power, alarm relay contact, 6 1-8PH) 1-8PHE)	13.5W mber), CPU Act (Green), Ring Mast nk/Active (Amber) On: ON (Green), PoE Output Powe g in packet) on relay @24VDC	240W cer (Yellow)
Jumbo Frame IEEE 802.3ac MAC Address Table Memory Buffer Warning Message Alarm Relay Contact Removable Terminal Block Operating Temperature Operating Humidity	Per unit: Power 1 (Green Per RJ-45 port: 10/100 SFP Fiber Per port: Lin PoE Port LED, 1 LED / 9.6KB Max frame size extend 8K 512K Bytes for packet System Syslog, SMTP/Relay outputs with cur Provide 2 redundant provide 2 redu	253.5W een), Power 2 (Green), Fault (A 0 Link/Active (Green), 1000 Link/Active (Green) per Port: PoE Output Power Coded to 1522Bytes (allow Q-tage) buffer / e-mail event message, alarn arrent carrying capacity of 1 A power, alarm relay contact, 6 1-8PH) 1-8PHE)	13.5W mber), CPU Act (Green), Ring Mast nk/Active (Amber) On: ON (Green), PoE Output Powe g in packet) on relay @24VDC	240W cer (Yellow)
Jumbo Frame IEEE 802.3ac MAC Address Table Memory Buffer Warning Message Alarm Relay Contact	Per unit: Power 1 (Green Per RJ-45 port: 10/100 SFP Fiber Per port: Lin PoE Port LED, 1 LED / 19.6KB Max frame size extend 8K 512K Bytes for packet System Syslog, SMTP, Relay outputs with current Provide 2 redundant provide 3 redundant provide 2 redundant provide 3 redundant provide	253.5W een), Power 2 (Green), Fault (A 0 Link/Active (Green), 1000 Link/Active (Green) per Port: PoE Output Power Coded to 1522Bytes (allow Q-tag) buffer / e-mail event message, alarn prent carrying capacity of 1 A 100wer, alarm relay contact, 6 1-8PH) 1-8PHE) 1-1 densing)	13.5W mber), CPU Act (Green), Ring Mast nk/Active (Amber) On: ON (Green), PoE Output Powe g in packet) on relay @24VDC	240W cer (Yellow)
Jumbo Frame IEEE 802.3ac MAC Address Table Memory Buffer Warning Message Alarm Relay Contact Removable Terminal Block Operating Temperature Operating Humidity Storage Temperature	Per unit: Power 1 (Green Per RJ-45 port: 10/100) SFP Fiber Per port: Line Poet Port LED, 1 LED / 19.6KB Max frame size extend 8K 512K Bytes for packet System Syslog, SMTP/Relay outputs with current Provide 2 redundant provide 3 reduced by 5 reduced	253.5W een), Power 2 (Green), Fault (A 0 Link/Active (Green), 1000 Link/Active (Green) per Port: PoE Output Power Coded to 1522Bytes (allow Q-tag) buffer / e-mail event message, alarn prent carrying capacity of 1 A power, alarm relay contact, 6 1-8PH) M-8PHE) densing)	13.5W mber), CPU Act (Green), Ring Mast nk/Active (Amber) On: ON (Green), PoE Output Powe g in packet) on relay @24VDC	240W cer (Yellow)
Jumbo Frame IEEE 802.3ac MAC Address Table Memory Buffer Warning Message Alarm Relay Contact Removable Terminal Block Operating Temperature Operating Humidity Storage Temperature Housing	Per unit: Power 1 (Green Per RJ-45 port: 10/100 SFP Fiber Per port: Lin PoE Port LED, 1 LED / 9.6KB Max frame size extend 8K 512K Bytes for packet System Syslog, SMTP/Relay outputs with cur Provide 2 redundant provide 3 reduced 2 redu	253.5W een), Power 2 (Green), Fault (A 0 Link/Active (Green), 1000 Link/Active (Green) per Port: PoE Output Power Coded to 1522Bytes (allow Q-tag) buffer / e-mail event message, alarn prent carrying capacity of 1 A power, alarm relay contact, 6 1-8PH) M-8PHE) densing)	13.5W mber), CPU Act (Green), Ring Mast nk/Active (Amber) On: ON (Green), PoE Output Powe g in packet) on relay @24VDC	240W cer (Yellow)
Jumbo Frame IEEE 802.3ac MAC Address Table Memory Buffer Warning Message Alarm Relay Contact Removable Terminal Block Operating Temperature Operating Humidity Storage Temperature Housing Dimensions	Per unit: Power 1 (Green Per RJ-45 port: 10/100) SFP Fiber Per port: Ling PoE Port LED, 1 LED / 19.6KB Max frame size extend 8K 512K Bytes for packet System Syslog, SMTP/Relay outputs with current Provide 2 redundant 19-10 ~ 60°C (IGS-804SM-40 ~ 75°C (IGS-804SM-40 ~ 75°C (IGS-804SM-40 ~ 85°C) Rugged Metal, IP30 Policy 106 x 72 x152 mm (D x 0.76kg)	253.5W een), Power 2 (Green), Fault (A 0 Link/Active (Green), 1000 Link/Active (Green) per Port: PoE Output Power Coded to 1522Bytes (allow Q-tag) buffer / e-mail event message, alarn prent carrying capacity of 1 A power, alarm relay contact, 6 1-8PH) M-8PHE) densing)	13.5W mber), CPU Act (Green), Ring Mast nk/Active (Amber) On: ON (Green), PoE Output Powe g in packet) on relay @24VDC	240W cer (Yellow)
Jumbo Frame IEEE 802.3ac MAC Address Table Memory Buffer Warning Message Alarm Relay Contact Removable Terminal Block Operating Temperature Operating Humidity Storage Temperature Housing Dimensions Weight	Per unit: Power 1 (Green Per RJ-45 port: 10/100) SFP Fiber Per port: Ling PoE Port LED, 1 LED / 19.6KB Max frame size extend 8K 512K Bytes for packet System Syslog, SMTP/Relay outputs with current Provide 2 redundant 19-10 ~ 60°C (IGS-804SM-40 ~ 75°C (IGS-804SM-40 ~ 75°C (IGS-804SM-40 ~ 85°C) Rugged Metal, IP30 Policy 106 x 72 x152 mm (D x 0.76kg)	253.5W een), Power 2 (Green), Fault (A 0 Link/Active (Green), 1000 Link/Active (Green) per Port: PoE Output Power Coded to 1522Bytes (allow Q-tag) buffer / e-mail event message, alarn arrent carrying capacity of 1 A cower, alarm relay contact, 6 1-8PH) M-8PHE) densing) rotection, Fanless (W x H)	13.5W mber), CPU Act (Green), Ring Mast nk/Active (Amber) On: ON (Green), PoE Output Powe g in packet) on relay @24VDC	240W cer (Yellow)



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Certification

EMC	CE (EN55024, EN55032)
EMI (Electromagnetic Interference)	FCC Part 15 Subpart B Class A, CE
Railway Traffic	EN50121-4
Immunity for Heavy Industrial Environment	EN61000-6-2
Emission for Heavy Industrial Environment	EN61000-6-4
EMS	EN61000-4-2 (ESD) Level 3, Criteria B
(Electromagnetic Susceptibility)	EN61000-4-3 (RS) Level 3, Criteria A
Protection Level	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
Safety	EN60950-1
Surge Protection	4KV for UTP and Fiber ports
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6

Software Specifications

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(Linerilet Killg Frotection)	Single Ring, Sub-Ring, Multiple ring topology network
ITU-T G.8032 / Y.1344 ERPS (Ethernet Ring Protection)	Recovery time < 50ms
Loop Protection	Supported
Multiple μ-Ring	up to 5 instances that each supports μ -Ring, μ -Chain or Sub-Ring type for flexible uses, and maximum up to 5 Rings. Recovery time <10ms The maximum number of devices allowed in a Ring supported ring is 250. (Please see CTC Union μ -Ring white paper for more details and more topology applications)
Spanning Tree	IEEE 802.1d STP IEEE 802.1w RSTP IEEE 802.1s MSTP
	Per group up-to 8 port
Link Aggregation (Port Trunk)	Static (Hash with SA, DA, IP, TCP/UDP port), Maximum trunk group: 6group Dynamic (IEEE 802.3ad LACP), Maximum trunk group: 6group
Link Aggregation	MVR (Multicast VLAN Registration)
	GVRP (GARP VLAN Registration Protocal)
	VLAN Translation, up to 256 entries
	Protocol-based VLAN(Ethernt, SNAP, LLC), up to 128 entries
	IP Subnet-based VLAN, up to 128 entries
	MAC-based VLAN,up to 256 entries
	IEEE 802.1ad Q-in-Q
	IEEE 802.1q VLAN,up to 4094 Groups
VLAN	IEEE 802.1q VLAN,up to 4094 802.1Q VLAN VID

QoS Features

Class of Service	IEEE 802.1p 8 active priorities queues for per port
Traffic Classification QoS	IEEE 802.1p based CoS
	IP Precedence based CoS
	IP DSCP based CoS
	QCL(QoS Control List): Frame Type, Source/Destination MAC, VLAN ID, PCP, DEI
	QCE(QoS Control Entry): Protocol, Source IP, IP Fragment, DSCP, TCP/UDP port number





Bandwidth Control for Ingress	Rate in steps :1 kbps / Mbps / fps / kfps
	Range: 100 kbps to 1Gbps / 1fps to 3300kfps
	Rate Unit: bit or frame
Bandwidth Control for	Rate in steps: 1 kbps / Mbps
Egress	Range: 100 kbps to 1Gbps
	Rate Unit : bit
	Per queue / Per port shaper
DiffServ (RF 2474) Remark	king
Storm Control	for Unicast, Broadcast, Multicast

IP Multicasting Features

IGMP/MLD Snooping	IGMP Snooping v1, v2, v3 / MLD Snooping v1, v2
	Port Filtering Profile
	Throttling, Fast Leave
	Maximum Multicast Group: up to 1022 entries
	Query / Static Router Port

Security Features

Port-Based

IEEE 802.1X

	MAC-Based
ACL	Number of rules : up to 256 entries
	for L2 / L3 / L4
	L2 : Mac address SA/DA/VLAN
	L3: IP address SA/DA, Subnet
	L4: TCP/UDP
RADIUS authentication &	accounting
TACACS+ authentication	
HTTPS, HTTP	Supported
SSL / SSH v2	Supported
User Name Password	Local Authentication
Authentication	Remote Authentication (via RADIUS / TACACS+)
Management Interface	Web, Telnet / SSH , CLI RS-232 console

Management Features

Access Filtering

CLI	Cisco® like CLI
Web Based Management	
Telnet	Server
SNMP	V1, V2c, V3
SW & Configuration	TFTP, HTTP
Upgrade	Redundant firmware in case of upgrade failure
RMON	RMON I (1, 2, 3, 9 group), RMON II
MIB	RFC1213 MIB II, Private MIB
UPnP	Supported
DHCP	Server, Client, Relay, Relay option 82 , Snooping
IP Source Guard	Supported
Port Mirroring	Supported
Event Syslog	Syslog server (RFC3164) (Support 1 server)
Warning Message	System syslog, e-mail, alarm relay
DNS	Client, Proxy
IEEE1588 PTP V2	Support 5 operating mode in each port : Ordinary-Boundary, Peer to Peer Transparent Clock, End to End Transparent Clock, Master, Slave
NTP, SNTP	Client
LLDP	Link Layer Discovery Protocol
(IEEE 802.1ab)	LLDP-MED



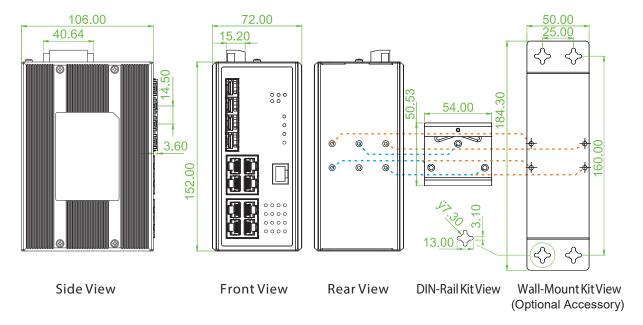
IPv6 Features

IPv6 Management	Telnet Server/ICMP v6
SNMP over IPv6	Supported
HTTP over IPv6	Supported
SSH over IPv6	Supported
IPv6 Telnet	Supported
IPv6 NTP, SNTP	Client
IPv6 TFTP	Supported
IPv6 QoS	Supported
IPv6 ACL	Number of rules: up to 256 entries for L2 / L3 / L4 L2 : Mac address SA/DA/VLAN L3: IP address SA/DA, Subnet L4: TCP/UDP

Others Features

Green Ethernet	Supports IEEE 802.3az EEE (Energy Efficient Ethernet) Management to optimize the power consumption				
	Determine the cable length and lowering the power for ports with short cables				
	Lower the power for a port when there is no link				
	LED Power Management :Adjustment LEDs intensity				
Cable Diagnostic	Measuring UTP cable normal or broken point distance				
Advanced PoE Management	PoE PD failure auto checking, and auto reset when PD fail PoE port on/off weekly scheduling PoE Configuration PoE Enable/Disable Power limit by classification Power feeding priority Total PoE Power budge limitation: Maximum 240W				

Dimensions



Ordering Information |

Model Name	Ilvianaoeni	naged Total Port	UTP	Fiber	Pol	E	Input Power	Certification				
			10/100/1000 Base-T	100/1000 Base-X	IEEE 802.3af/at	Power Budget	Redundant	Railway EN50121-4	Safety	EN61000-6-2 EN61000-6-4	CE FCC	Operating Temperature
IGS-804SM-8PH	V	12	8	4 SFP	8	240W	48VDC	V	EN60950-1	V	V	-10~60°C
IGS-804SM-8PHE	V	12	8	4 SFP	8	240W	48VDC	V	EN60950-1	V	V	-40~75°C





Optional Accessories

■ Wall Mount Kit

IND-WMK02 Wall Mount kit for Industrial product (Wide) (184 x 50mm)

■ Industrial SFP Transceiver

The ISFP series of industrial grade SFP modules have been fully tested with all CTC Union industrial grade Ethernet switches for guaranteed compatibility and performance. Best performance can be guaranteed, even in mission-critical applications. (Please see CTC Union's Industrial SFP datasheets for more items and detailed information.)

ISFP-M7000-85-D(E)	Industrial SFP GbE 1000Base-SX, M/M, 500 meter, wave length 850nm, 7.5dB, LC, DDMI, -10~70°C (-40~85°C)
ISFP-S7020-31-D(E)	Industrial SFP 1000Base-LX, S/M, 20km, wave length 1310nm, 15dB, LC, DDMI, -10~70°C (-40~85°C)
ISFP-T7T00-00-(E)	Industrial SFP 10/100/1000Base-T UTP 100meter, -10~70°C (-40~85°C)
ISFP-M5002-31-D(E)	Industrial SFP 155M 100Base-FX, MM, 2km, wave length 1310nm, 12dB, LC, DDMI, -10~70°C (-40~85°C)
ISFP-S5030-31-D(E)	Industrial SFP 155M 100Base-FX, SM, 30km, 1310nm, 19dB, LC, DDMI, -10~70°C (-40~85°C)

■ 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 (For more ref.)

