

IFS+803GSM-8PH & IFS+803GSM-8PH24

♦8x FE RJ45 + 3x 100/1000 SFP with 8x PoE 240W, 48VDC

▶8x FE RJ45 + 3x 100/1000 SFP with 8x PoE 180W, 24/48VDC

- ▲ Supports IEEE 1588 PTP V2
- Supports u-Ring, ERPS, EPS, MSTP, RSTP, STP for redundant cabling
- ▲ Auto checking and auto reset when PoE PD fail
- **▲** UL60950-1, EN60950-1, EN62368-1, EN50121-4, NEMA-TS2, EN61000-6-2, EN61000-6-4, CE and FCC certified
- ▲ 4KV surge protection for PoE, RJ45 and SFP ports

















The industrial PoE Ethernet switches IFS+803GSM-8PH and IFS+803GSM-8PH24 has 8 Gigabit UTP ports and each port complies with the IEEE802.3af/at up to 30W PoE+ standard. Equipped with 3 100/1000 SFP slots for fiber optic connections to meet the requirements for extended transmission distance, fanless design, high MTBF, 4KV surge protection and supports wide operating temperature, redundant power input, 48VDC IFS+803GSM-8PH, and 24/48VDC IFS+803GSM-8PH24, 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

- 48VDC (46~57VDC) redundant dual input power (IFS+803GSM-8PH)
- 24/48VDC (20~57VDC) redundant dual input power (IFS+803GSM-8PH24)
- Provides 8-port IEEE 802.3af / 802.3at PoE+ output (30W per port, total 240W) (IFS+803GSM-8PH)
- Provides 8-port IEEE 802.3af / 802.3at PoE+ output (30W per port, total 180W) (IFS+803GSM-8PH24)
- Cable diagnostics, identifies opens/shorts distance
- Provides 5 ring 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
- 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
- Supports EMS Management

Specifications :

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IEEE 802.3	10Base-T 10Mbit/s Ethernet
IEEE 802.3u	100Base-TX, 100Base-FX, Fast Ethernet
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)
IEEE 802.1w	RSTP (Rapid Spanning Tree Protocol)
IEEE 802.1s	MSTP (Multiple Spanning Tree Protocol)
ITU-T G.8032 / Y.1344	ERPS (Ethernet Ring Protection Switching)
ITU-T G.8031 / Y.1342	EPS (Ethernet Protection Switching)
IEEE 802.1Q	Virtual LANs (VLAN)
IEEE 802.1X	Port based and MAC based Network Access Control, Authentication
IEEE 802.3ac	Max frame size extended to 1522Bytes



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Standard	IEEE 802.3ad Link aggregation for parallel links with LACP(Link Aggregation Control Protocol)					
	IEEE 802.3x Flow control for Full Duplex					
	IEEE 802.1ad Stacked VLANs, Q-in-Q					
	IEEE 802.1p	LAN Layer 2 QoS/	CoS Protoc	ol for Traf	fic Prioritization	
	IEEE 802.1ab	Link Layer Discove	ery Protoco	l (LLDP)		
	IEEE 802.3az EEE (Energy Efficient Ethernet)					
Switch Architecture	Back-Plane (Switching Fabric): 7.6Gbps (Full Wire-Speed)					
Data Processing	Store and Forward					
low Control		duplex mode Back pre		alf duplex	mode	
letwork Connector		J-45 + 3x 100/1000Ba				
		ports Auto negotiatio			IDI-X function	
		100/1000M dual speed	d with DDM			
Console	RS-232 (RJ-45)					
PoE standard & RJ-45 Pin Assignment	8x IEEE 802.3af /IEEE 802.3at PoE+ 2 pairs PoE, PoE+, 30W/port End-Span, Alternative A mode. Positive (V+): RJ-45 pin 1, 2. Negative (V-): RJ-45 pin 3, 6.					
letwork Cable	UTP/STP Cat. 5e cal	ble or above				
	EIA/TIA-568 100-oh	m (100meter)				
Protocols	CSMA/CD					
Reverse Polarity Protection		er input				
Overload Current Protection	Supported					
CPU Watch Dog	Supported					
	IGS+803SM-8PH24 Redundant Dual DC Built-in very high eff	ommended for IEEE8 24/48V (20~57VDC) II ficiency booster(94~9	nput power 97%) to rise	(Remova up 52VDC	ble Terminal Block) C for PoE output	
	distance to 100 meter		o stabilize F	'OE GEVICE	e, and guarantee delive	ery PoE power
Power Consumption	distance to 100meter	er , , , , , , , , , , , , , , , , , , ,			, <u> </u>	
Power Consumption	distance to 100meters IFS+803GSM-8PH Input Voltage	er Total Power Consul			Power Consumption	PoE Budget
Power Consumption	distance to 100meter	er , , , , , , , , , , , , , , , , , , ,			, <u> </u>	
Power Consumption	distance to 100mete IFS+803GSM-8PH Input Voltage 50 VDC	er Total Power Consul			Power Consumption	PoE Budget
Power Consumption	IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24	Total Power Consul 252.5W	mption Device	Device	Power Consumption 12.9W	PoE Budget 240W
Power Consumption	IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24 Input Voltage	Total Power Consul 252.5W Total Power Consumption	Device Consum	Device Power aption	Power Consumption 12.9W PoE Budget	PoE Budget 240W Boost Efficiency
Power Consumption	distance to 100mete IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24 Input Voltage 24VDC	Total Power Consult 252.5W Total Power Consumption 191.2W	Device Consum	Power nption	Power Consumption 12.9W PoE Budget 180W	PoE Budget 240W Boost Efficiency 97%
	IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24 Input Voltage 24VDC 48VDC	Total Power Consult 252.5W Total Power Consumption 191.2W 193.4W	Device Consum 7.8	Power nption W	Power Consumption 12.9W PoE Budget 180W 180W	PoE Budget 240W Boost Efficiency
	distance to 100mete IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24 Input Voltage 24VDC 48VDC Maximum PoE Outp	Total Power Consult 252.5W Total Power Consumption 191.2W 193.4W out power budget 30V	Device Consum 7.8 8.9	Power nption W	Power Consumption 12.9W PoE Budget 180W 180W S+803GSM-8PH)	PoE Budget 240W Boost Efficiency 97%
PoE Power Budget	distance to 100mete IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24 Input Voltage 24VDC 48VDC Maximum PoE Outp Maximum PoE Outp	Total Power Consum 252.5W Total Power Consumption 191.2W 193.4W out power budget 30V out power budget 30V out power budget 30V	Device Consum 7.8 8.9 W/port,Tota	Power nption W W 240W (IF:	Power Consumption 12.9W PoE Budget 180W 180W S+803GSM-8PH) S+803GSM-8PH24)	PoE Budget 240W Boost Efficiency 97% 97%
PoE Power Budget	distance to 100meter IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24 Input Voltage 24VDC 48VDC Maximum PoE Outp Maximum PoE Outp System: Power 1 (Gr	Total Power Consult 252.5W Total Power Consumption 191.2W 193.4W Dut power budget 30V out power budget 30V over power 2 (Green	Device Consum 7.8 8.9 W/port,Tota	Power nption W W 240W (IF:	Power Consumption 12.9W PoE Budget 180W 180W S+803GSM-8PH)	PoE Budget 240W Boost Efficiency 97% 97%
PoE Power Budget	distance to 100mete IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24 Input Voltage 24VDC 48VDC Maximum PoE Outp Maximum PoE Outp System: Power 1 (Gr UTP: 10/100 Link/Ac	Total Power Consult 252.5W Total Power Consumption 191.2W 193.4W Dut power budget 30V out p	Device Consum 7.8 8.9 W/port,Tota	Power nption W W 240W (IF:	Power Consumption 12.9W PoE Budget 180W 180W S+803GSM-8PH) S+803GSM-8PH24)	PoE Budget 240W Boost Efficiency 97% 97%
PoE Power Budget	distance to 100meter IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24 Input Voltage 24VDC 48VDC Maximum PoE Outp Maximum PoE Outp System: Power 1 (Gr UTP: 10/100 Link/Act	Total Power Consult 252.5W Total Power Consumption 191.2W 193.4W Dut power budget 30V out p	Device Consum 7.8 8.9 W/port,Tota	Power nption W W 240W (IF:	Power Consumption 12.9W PoE Budget 180W 180W S+803GSM-8PH) S+803GSM-8PH24)	PoE Budget 240W Boost Efficiency 97% 97%
PoE Power Budget	IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24 Input Voltage 24VDC 48VDC Maximum PoE Outp Maximum PoE Outp System: Power 1 (Gr UTP: 10/100 Link/Active PoE: ON (Green)	Total Power Consult 252.5W Total Power Consumption 191.2W 193.4W Dut power budget 30V out p	Device Consum 7.8 8.9 W/port,Tota	Power nption W W 240W (IF:	Power Consumption 12.9W PoE Budget 180W 180W S+803GSM-8PH) S+803GSM-8PH24)	PoE Budget 240W Boost Efficiency 97% 97%
PoE Power Budget ED umbo Frame	distance to 100mete IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24 Input Voltage 24VDC 48VDC Maximum PoE Outp Maximum PoE Outp System: Power 1 (Gr UTP: 10/100 Link/Active PoE: ON (Green) 9.6KB	Total Power Consum 252.5W Total Power Consumption 191.2W 193.4W out power budget 30V out power budget 30V reen), Power 2 (Green ctive (Green)	Device Consun 7.8 8.9 V/port,Tota V/port,Tota), Fault (Am	Power nption W W 240W (IF 180W (IF;	Power Consumption 12.9W PoE Budget 180W 180W S+803GSM-8PH) S+803GSM-8PH24) Act (Green), Ring Mast	PoE Budget 240W Boost Efficiency 97% 97%
PoE Power Budget ED umbo Frame EEE802.3ac	distance to 100meter IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24 Input Voltage 24VDC 48VDC Maximum PoE Outp Maximum PoE Outp System: Power 1 (Gr UTP: 10/100 Link/Active PoE: ON (Green) 9.6KB Max frame size exter	Total Power Consult 252.5W Total Power Consumption 191.2W 193.4W Dut power budget 30V out p	Device Consun 7.8 8.9 V/port,Tota V/port,Tota), Fault (Am	Power nption W W 240W (IF 180W (IF;	Power Consumption 12.9W PoE Budget 180W 180W S+803GSM-8PH) S+803GSM-8PH24) Act (Green), Ring Mast	PoE Budget 240W Boost Efficiency 97% 97%
PoE Power Budget ED umbo Frame EEE802.3ac MAC Address Table	IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24 Input Voltage 24VDC 48VDC Maximum PoE Outp Maximum PoE Outp Maximum PoE Outp System: Power 1 (Gr UTP: 10/100 Link/Active PoE: ON (Green) 9.6KB Max frame size exter	Total Power Consult 252.5W Total Power Consumption 191.2W 193.4W Dut power budget 30V out p	Device Consun 7.8 8.9 V/port,Tota V/port,Tota), Fault (Am	Power nption W W 240W (IF 180W (IF;	Power Consumption 12.9W PoE Budget 180W 180W S+803GSM-8PH) S+803GSM-8PH24) Act (Green), Ring Mast	PoE Budget 240W Boost Efficiency 97% 97%
PoE Power Budget ED umbo Frame EEE802.3ac MAC Address Table Memory Buffer	distance to 100meter IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24 Input Voltage 24VDC 48VDC Maximum PoE Outp Maximum PoE Outp System: Power 1 (Gr UTP: 10/100 Link/Active PoE: ON (Green) 9.6KB Max frame size exter 8K 512K Bytes for pack	Total Power Consumer 252.5W Total Power Consumption 191.2W 193.4W Dout power budget 30V Power 2 (Green Stive (Green) e (Green) Inded to 1522Bytes (and the stive (Green) and	Device Consun 7.8 8.9 V/port,Tota V/port,Tota), Fault (Am	Power nption W W 240W (IF 180W (IF;	Power Consumption 12.9W PoE Budget 180W 180W S+803GSM-8PH) S+803GSM-8PH24) Act (Green), Ring Mast	PoE Budget 240W Boost Efficiency 97% 97%
PoE Power Budget LED Jumbo Frame EEE802.3ac MAC Address Table Memory Buffer Device Memory	IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24 Input Voltage 24VDC 48VDC Maximum PoE Outp Maximum PoE Outp Maximum PoE Outp System: Power 1 (Gr UTP: 10/100 Link/Active PoE: ON (Green) 9.6KB Max frame size exter 8K 512K Bytes for pack 16M Bytes Flash RO	Total Power Consult 252.5W Total Power Consumption 191.2W 193.4W Dut power budget 30V reen), Power 2 (Green ctive (Green) red (Green) re	Device Consum 7.8 8.9 V/port,Total V/port,Total), Fault (Am	Power nption W W 1240W (IF: 180W), CPU	Power Consumption 12.9W PoE Budget 180W 180W S+803GSM-8PH) S+803GSM-8PH24) Act (Green), Ring Mast	PoE Budget 240W Boost Efficiency 97% 97%
PoE Power Budget LED Jumbo Frame EEE802.3ac MAC Address Table Memory Buffer Device Memory Narning Message	IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24 Input Voltage 24VDC 48VDC Maximum PoE Outp Maximum PoE Outp Maximum PoE Outp System: Power 1 (Gr UTP: 10/100 Link/Active PoE: ON (Green) 9.6KB Max frame size exter 8K 512K Bytes for pack 16M Bytes Flash ROI System Syslog, SMT	Total Power Consumer 252.5W Total Power Consumption 191.2W 193.4W Total Power State of Consumption 191.2W 193.4W Total Power Consumption 191.2W Total Power Consumption 192.2W Total Power Consumption 19	Device Consun 7.8 8.9 W/port,Tota W/port,Tota), Fault (Am	Power nption W W 240W (IF 180W (IF) ber), CPU	Power Consumption 12.9W PoE Budget 180W 180W S+803GSM-8PH) S+803GSM-8PH24) Act (Green), Ring Mast	PoE Budget 240W Boost Efficiency 97% 97%
PoE Power Budget LED Jumbo Frame EEE802.3ac MAC Address Table Memory Buffer Device Memory Warning Message Alarm Relay Contact	IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24 Input Voltage 24VDC 48VDC Maximum PoE Outp Maximum PoE Outp System: Power 1 (Gr UTP: 10/100 Link/Act SFP Slot: Link/Active PoE: ON (Green) 9.6KB Max frame size exter 8K 512K Bytes for pack 16M Bytes Flash RO System Syslog, SMT Relay outputs with or	Total Power Consumer 252.5W Total Power Consumption 191.2W 193.4W Total Power State of Consumption 191.2W 193.4W Total Power State of Consumption 191.2W 193.4W 193.4W Total Power State of Consumption 191.2W 193.4W 193	Device Consum 7.8 8.9 W/port,Total W/port,Total), Fault (Am Illow Q-tag	Power nption W W 240W (IF: ber), CPU in packet)	Power Consumption 12.9W PoE Budget 180W 180W 180W S+803GSM-8PH) S+803GSM-8PH24) Act (Green), Ring Mast	PoE Budget 240W Boost Efficiency 97% 97%
Power Consumption PoE Power Budget LED Jumbo Frame JEEE802.3ac MAC Address Table Memory Buffer Device Memory Warning Message Alarm Relay Contact Removable Terminal Block Operating Temperature	distance to 100meter IFS+803GSM-8PH Input Voltage 50 VDC IFS+803GSM-8PH24 Input Voltage 24VDC 48VDC Maximum PoE Outp Maximum PoE Outp System: Power 1 (Gr UTP: 10/100 Link/Active PoE: ON (Green) 9.6KB Max frame size exter 8K 512K Bytes for pack 16M Bytes Flash ROI System Syslog, SMT Relay outputs with of Provides1 terminal In-10 ~ 60°C (IFS+803G)	Total Power Consumer 252.5W Total Power Consumption 191.2W 193.4W Total Power State of Consumption 191.2W 193.4W Total Power Consumption 191.2W Total Power Consumption 192.2W Total Power Consumption 19	Device Consum 7.8 8.9 V/port,Total	Power nption W W 240W (IF: 180W (IF: ber), CPU	Power Consumption 12.9W PoE Budget 180W 180W 180W S+803GSM-8PH) S+803GSM-8PH24) Act (Green), Ring Mast	PoE Budget 240W Boost Efficiency 97% 97%





Storage Temperature	-40 ~ 85°C
Housing	Rugged Metal, IP30 Protection, Fanless
Dimensions	106 x 72 x 152mm (Dx Wx H)
Weight	0.85kg (IFS+803GSM-8PH)
	0.86kg (IFS+803GSM-8PH24)
Installation Mounting	DIN Rail mounting, or wall mounting (Optional)
MTBF	487,189 Hours (IFS+803GSM-8PH)
(MIL-HDBK-217)	528,753 Hours (IFS+803GSM-8PH24)
Warranty	5 years

Certification

EMC	CE (EN55024, EN55032)
EMI (Electromagnetic Interference)	FCC Part 15 Subpart B Class A, CE
Railway Traffic	EN50121-4
Traffic Control	NEMA-TS2
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	UL60950-1, EN60950-1, EN62368-1
Surge Protection	4KV for PoE, UTP and Fiber ports
Shock	IEC 60068-2-27
Freefall	IEC 60068-2-32
Vibration	IEC 60068-2-6

Software Specifications

Topology

VLAN	IEEE 802.1q VLAN,up to 4094 802.1Q VLAN VID				
	IEEE 802.1q VLAN,up to 4094 Groups				
	IEEE 802.1ad Q-in-Q				
	MAC-based VLAN,up to 256 entries				
	IP Subnet-based VLAN, up to 128 entries				
	Protocol-based VLAN(Ethernt, SNAP, LLC), up to 128 entries				
	VLAN Translation, up to 256 entries				
Link Aggregation (Port Trunk)	Private VLAN for port isolation				
	GVRP (GARP VLAN Registration Protocol)				
	MVR (Multicast VLAN Registration)				
	Voice VLAN				
	Static (Hash with SA, DA, IP, TCP/UDP port), up to 5 trunk group				
	Dynamic (IEEE 802.3ad LACP), up to 5 trunk group				
Spanning Tree	IEEE 802.1d STP, IEEE 802.1w RSTP, IEEE 802.1s MSTP				
Multiple μ-Ring	Up to 5 instances that each supports $\mu\text{-Ring}$, $\mu\text{-Chain}$ or Sub-Ring type for flexible uses, and maximum up to 5 Rings				
	Recovery time <10ms				
	The maximum number of devices in the ring supports 250 nodes.				
Loop Protection	Supported				



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ITU-T G.8032 / Y.1344 ERPS	Recovery time <50ms		
(Ethernet Ring Protection)	Single Ring, Sub-Ring, Multiple ring topology network		
ITU-T G.8031 / Y.1342 EPS (Ethernet Protection Switching)	Supported		
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	100~1,000,000 when the "Unit" is "kbps", and 1~1,000 when the "Unit" is "Mbps"		
Ingress Bandwidth Control for			
Egress	100~1,000,000 when the "Unit" is "kbps", and 1~1,000 when the "Unit" is "Mbps" Per queue / Per port shaper		
DiffServ (RF 2474) Remarkin			
Storm Control	for Unicast, Broadcast, Multicast		
Storin Control	IOI UIIICASI, DIUAUCASI, MUILICASI		
IP Multicasting Features			
IGMP / MLD Snooping	IGMP Snooping v1, v2, v3 / MLD Snooping v1, v2		
,8	Port Filtering Profile		
	Throttling		
	Fast Leave		
	Maximum Multicast Group : up to 1022 entries		
	Query / Static Router Port		
	Query/ Static Notice Force		
Security Features			
IEEE 802.1X	Port-Based		
	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, Authorization, Accounting		
HTTPS, HTTP	Supported		
SSL / SSH v2	Supported		
User Name Password	Local Authentication		
Authentication	Remote Authentication (via RADIUS / TACACS+)		
Management Interface Access Filtering	Web, Telnet / SSH , CLI RS-232 console		
Management Features			
CLI	Cisco® like CLI		
Web UI	Supported		
Telnet	Server		
SNMP	V1, V2c, V3		
sFlow (Top	Supported		
Modbus/TCP	Supports for management and monitoring		
SW & Configuration Upgrade	TFTP, HTTP		
· -	Redundant firmware in case of upgrade failure		
FTP client	Supports for upload/download configuration		
RMON	RMON I (1, 2, 3, 9 group), RMON II		
0.011.7	DECINE MID II D.C. A. MID		



MIB

UPnP

RFC1213 MIB II, Private MIB

Supported

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300TP	Supported
HCP	Server, Client, Relay, Relay option 82 , Snooping
RARP	Supported
P Source Guard	Supported
Port Mirroring	Supported
Event Syslog	Syslog server (RFC3164)
Warning Message	System syslog, e-mail, alarm relay
DNS	Client, Proxy
IEEE1588 PTP V2	Supports 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
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

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		

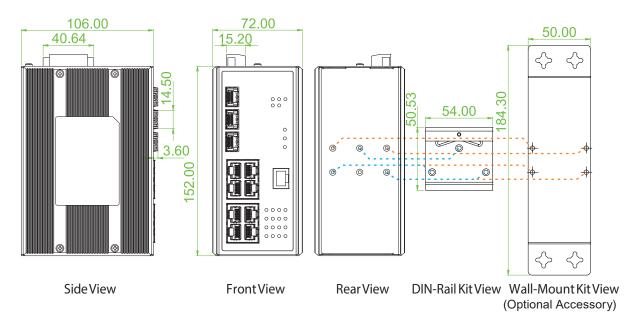
Advanced PoE

Management	PoE PD failure auto checking, and auto reset when PD fail	
	PoE port on/off weekly scheduling	
	PoE Configuration	
	PoE Enable/Disable	
	Total PoE power budget limitation: maximum 180W (IFS+803GSM-8PH24)	
	Power limit by classification Power feeding priority Total PoE power budget limitation: maximum 240W (IFS+803GSM-8PH)	





Dimensions



Ordering Information |

Model Name	Managed	Total Port	UTP	Fiber	PoE Port		Input Power
			10/100Base-TX	100/1000Base-X	IEEE802.3at/af	Power Budget	Redundant
IFS+803GSM-8PH24	V	11	8	3 SFP	8	180W	24/48VDC
IFS+803GSM-8PHE24	V	11	8	3 SFP	8	180W	24/48VDC
IFS+803GSM-8PH	V	11	8	3 SFP	8	240W	48VDC
IFS+803GSM-8PHE	V	11	8	3 SFP	8	240W	48VDC

Model Name	Traffic Control NEMATS2	UL60950-1, EN60950-1 EN62368-1	EN50121-4	EN61000-6-2 EN61000-6-4	CE, FCC	Operating Temperature
IFS+803GSM-8PH24	V	V	V	V	V	-10~60°C
IFS+803GSM-8PHE24	V	V	V	V	V	-40~75°C
IFS+803GSM-8PH	V	V	V	V	V	-10~60°C
IFS+803GSM-8PHE	V	V	V	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

