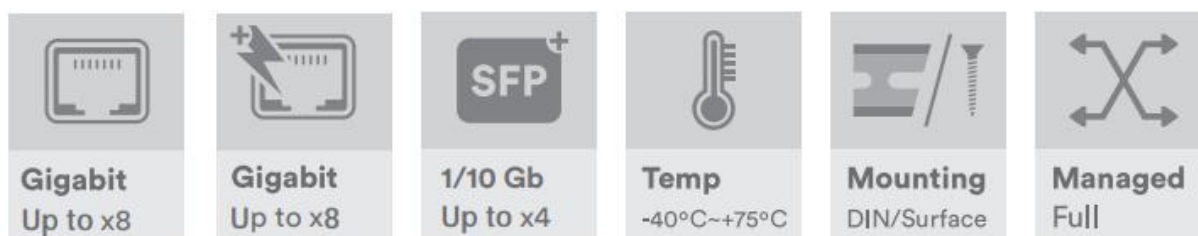


IDS Series DIN Rail GE/10GE Managed Industrial Ethernet Switch



The IDS series DIN Rail GE/10GE managed industrial ethernet switches are designed for medium to large network environments to strengthen network connections. The entire range offers unique features which will prove of huge benefit when implementing IP-based, integrated security systems.



Overview

The IDS series switches are DIN Rail type industrial managed switches. They are designed for highly critical applications such as real time IP video surveillance, WiMAX systems and Wireless APs. These switches support MSTP/RSTP/ Fi Ring with easy to set up user interface, which allows it to recover from network disconnection in less than 20ms with 250 switches connected in a ring network topology while transmitting/receiving data at full network speed. To optimize the industrial network environment, the switches support advanced network features, such as Tag VLAN, IGMP snooping, QoS, LACP, etc. The switches can be smartly configured through Web Browser, SNMP Telnet and RS232 local console. The failure notifications are sent through e-mail, SNMP trap, Local/Remote system log or multiple event alarm relay.

IDS Series switches can be restored and backup configuration through DCA-01 dongle device.

Features

- Standalone format for minimum space usage
- 10/100/1000Mbps full bandwidth Ethernet
- Supports RSTP, MSTP, Fi Ring and LACP for Network Redundancy
- SNMPv3, IEEE 802.1X, HTTPS, Full SFTP and SSH for network security
- Easy network management through web browser, CLI, Telnet /serial console, Windows utility, SNMP
- LED indicators

- PoE short circuit and over current protection
- DIN-Rail and wall mounting formats available
- Extended operating temperature compared with industry equivalents -40°C to+75°C
- IEEE 802.3af / IEEE 802.3at-compliant PoE, provide up to 15.4 / 30 watts per PoE port
- Support DCA-01 dongle

IDS DIN Rail Series Configurations

Product Number	Total Ports	RJ45 Ports	SFP Ports	PoE+	Alarm Contact
IDS 609	9	6 FE	3 GE		2 relay outputs with current carrying capacity of 1A@24V
IDS 610	10	8 FE	2 GE		
IDS 8084G	12	8 GE	4 GE		
IDS 9084XG	12	8 GE	4 10GE		
IDS P609	9	6 FE	3 GE	○	
IDS P610	10	8 FE	2 GE	○	
IDS 8084GP	12	8 GE	4 GE	○	
IDS 9084XGP	12	8 GE	4 10GE	○	

Specification

Part Number	IDS 609-2 IDS 610-2	IDS P609-2 IDS P610-2	IDS 8084G IDS 9084XG	IDS 8084GP IDS 9084XGP
Ethernet Standards	IEEE802.3/802.3u/802.3ab/802.3z/802.3az/802.3x IEEE802.1D/802.1w/802.1s IEEE802.1Q IEEE 802.1p/802.1X/802.3ad IEEE802.3af/802.3at (PoE Version)			
MAC Table	8k		16k	
Priority Queues	4		8	
VLAN ID Range	VID 1 to 4094, Max. Number of Available VLANs: 256			
Packet Buffer Size	1 Mbit		1.5 Mbyte	
Processing	Store-and-Forward			
Jumbo Frame	1632Byte		9216Byte	
Security	Enable/disable ports, MAC based port security			
	Port based network access control (802.1x)			
	Port-based VLAN, IEEE 802.1Q VLAN, and GVRP to ease network planning			
	Support Modbus protocols for device management and monitoring			
	Automatic alarm through e-mail, relay output			
	Support port mirroring			
	Support TACACS+			
	Radius centralized password management			
	SNMPv3 encrypted authentication and access security			
Https/ Full SFTP and SSH enhance network security				

Software	STP/RSTP/MSTP (IEEE 802.1D/w/s)			
	Redundant Ring (Fi Ring) (recovery time < 20ms)			
	IEEE1588 PTP V2 (Precision Time Protocol)			
	Port Trunk for optimum bandwidth utilization			
	QoS and ToS / DiffServ to increase determinism			
	Quality of Service (802.1p) for real-time traffic			
	VLAN (802.1Q) with VLAN tagging			
	Support traffic control of multicast and broadcast			
	Support DDM (Digital Diagnostic Monitoring)			
	IGMP Snooping			
	Ingress and Egress rate limit			
	Application-based QoS management			
	Support DCA-01 dongle			
	Port configuration, status, statistics, monitoring, security			
		DHCP Server/Client		DHCP Server/Client/Relay
	SMTP Client			
Network Redundancy	Fi Ring/MSTP/RSTP/STP			
RS-232 Serial Console Port	RS-232 in RJ45 connector with console cable 115200bps, 8, N, 1			
Power Requirement	Dual power inputs			
	12-48VDC	44~57VDC	12-48VDC	44~57VDC
Overload Current Protection	Present			
Power Consumption	<12W	<12W without PD load	<18W	<18W without PD load
PoE Budge	240W for 44~57V input (54V input is recommended for 802.3at 30W applications)			
PoE Pinout	Per port provides up to 30W Positive (VCC+): RJ-45 pin 1, 2 Negative (VCC-): RJ-45 pin 3, 6 Reverse Polarity Protection		Per port provides up to 30W Positive (VCC+): RJ-45 pin 1, 2 Negative (VCC-): RJ-45 pin 3, 6 Reverse Polarity Protection	
Physical Characteristics	Dimensions (WxDxH): 151 x 122 x 70mm			
	Weight(g): 850			
	Enclosure: Metal, IP40			
Environmental	Storage Temperature: -40 to 85°C(-40 to 185°F)			
	Operating Temperature: -40 to 75°C(-40 to 167°F)			
	Operating Humidity: 5% to 95% non-condensing			

Regulatory

- EMI: FCC Part 15 Subpart B Class A
- EMS:
 - EN 61000-4-2 (ESD) Level 3, EN 61000-4-3 (RS) Level 3,
 - EN 61000-4-4 (EFT) Level 3, EN 61000-4-5 (Surge) Level 3,
 - EN 61000-4-6 (CS) Level 3, EN 61000-4-8 Level 3
- Shock: IEC 60068-2-27

- Freefall: IEC 60068-2-32
- Vibration: IEC 60068-2-6
- Green: RoHS Compliant

Warranty Period: 5years

Dimensions

Please contact sales@firstmile.com.cn for detail.

Order Information

Part Number	Description
IDS 609-2	Industrial Managed GE Switch, 6x10/100Tx & 3xGE SFP
IDS 610-2	Industrial Managed GE Switch, 6x10/100Tx & 3xGE SFP
IDS P609-2	Industrial Managed PoE+ GE Switch, 6x10/100Tx with 802.3at PoE+ & 3xGE SFP
IDS P610-2	Industrial Managed PoE+ GE Switch, 8x10/100Tx with 802.3at PoE+ & 2xGE SFP
IDS 8084G	Industrial Managed GE Switch, 8x10/100/1000Tx & 4xGE SFP
IDS 9084XG	Industrial Managed 10GE Switch, 8x10/100/1000Tx & 4x 1/10GE SFP+
IDS 8084GP	Industrial Managed PoE+ GE Switch, 8x10/100/1000Tx with 802.3at PoE+ & 4xGE SFP
IDS 9084XGP	Industrial Managed PoE+ 10GE Switch, 8x10/100/1000Tx with 802.3at PoE+ & 4x 1/10GE SFP+

Related Products

DIN Rail Power Module

SFP/SFP+ Transceiver

Dongle DCA-01

Device Configuration Backup Unit for First Mile device

- Configuration restore and backup for First Mile device
- RJ45 connector provided
- Portable design and no power supply needs
- Restore or backup finished in one touch
- Plug and play easy usage

Please contact sales@firstmile.com.cn for detail.