



DIS-F200-10PS

8 Port PoE+ Gigabit Rugged Switch

Features

- Full wire speed layer 2+ switch with 20 Gbps switching capacity.
- IPv4 & IPv6 Protocol Support
- 8 Gigabit PoE+ ports compliant with IEEE 802.3af/at standards
- Up to 30 W output per PoE+ port
- Persistent PoE, Configurable PoE ports
- 2 1000Base SFP or 1000Base-T Combo ports.
- 240 watts PoE budget
- Dual Redundant DC Power Supply Input.
- IPv4 & IPv6 Static routes supported

Overview

The DIS-F200-10PS Managed Outdoor Industrial Grade Switch is designed to operate in industrial environments. Whether installed on a factory floor or a street corner, the DIS-F200-10PS provides flawless communication. The DIS-F200-10PS is equipped with eight Gigabit Ethernet PoE+ ports supporting up to 30W per port making it ideal for city wide wireless access using 802.11AC access points. The switch delivers reliable data transfer with full-wire speed to meet increasing network throughput requirements. The DIS-F200-10PS has 2 1000Base SFP or 1000Base-T Combo ports for backbone connectivity which makes it suitable for applications such as City Surveillance. The switch also supports Rapid-Ring Protection For seamless recovery of the networks. Moreover, the DIS-F200-10PS features a shock resistant housing and supports operating temperatures from -40°C to 75°C. The rugged construction allows the switch to be installed in the harsh environments while at the same time offering high levels of performance.

Technical Specifications	
Interface	
Interface	8 x 10/100/1000Base-TX PoE / PoE+ capable ports 2 x 1000Base SFP or 1000Base-T Combo ports 1 x RJ-45 Console Port (RS-232)
LED Indicators	POWER, Link Status, PoE status
Performance	
Switching Capacity	20 Gbps
Switching Method	Store & Forward
64-byte Max. Forwarding Rate	148, 800 pps: 100M ports; 1, 488, 000 pps: 1000M ports
MAC Address Table Size	8K
Software Features	
Port Standards	<ul style="list-style-type: none"> • IEEE 802.3 10BASE-T Ethernet • IEEE 802.3u 100BASE-TX Fast Ethernet • IEEE 802.3x Flow Control • IEEE 802.3ab 1000BASE-T Gigabit Ethernet • IEEE 802.3af/at compliance (for PoE ports) • IEEE 802.3az Energy Efficient Ethernet • IEEE 802.3z 1000BASE-X 1 Gbps over fiber optic (MSA compliant SFP supported)
Layer 2 Feature	<ul style="list-style-type: none"> • Jumbo Frame up to 9216 bytes • Link Aggregation <ul style="list-style-type: none"> • Comply with 802.1AX and 802.3ad • Max.4 groups, 4 ports per group • Port Mirroring: Supports 1 Mirroring group <ul style="list-style-type: none"> • Supports One-to-One, Many-to-One • Loopback detection & Loop Protection • UDLD
Layer 2 Multicast	<ul style="list-style-type: none"> • IGMP Snooping v1, v2, & v3 (1K IGMP groups) • MLD Snooping v1 & v2
Redundancy	<ul style="list-style-type: none"> • STP, RSTP, MSTP Protocols • Rapid-Ring Protection
VLAN	<ul style="list-style-type: none"> • 802.1Q VLAN (4K Vlans) • Voice VLAN • Q in Q VLAN • Management VLAN • GARP
Quality of Service (QoS)	<ul style="list-style-type: none"> • 802 1P based QoS • 8 Queues per Port • Queue Handling <ul style="list-style-type: none"> • Strict Priority • Weighted Round Robin (WRR) • Bandwidth Control/Rate-Limit <ul style="list-style-type: none"> • Port-based (ingress/egress, min. granularity for 10/100/1000BASE-T ports 64 Kb/s) • Unicast, Broadcast & Multicast Storm Control

Access Control List (ACL)	<ul style="list-style-type: none"> ACL Based on (256 Entries) <ul style="list-style-type: none"> • Switch Port • 802.1p Priority • VLAN ID • MAC Address • Ether Type • IPv4/IPv6 address • DSCP
Layer 3 Features	<ul style="list-style-type: none"> • ARP <ul style="list-style-type: none"> • 256 Static ARP • Supports Gratuitous ARP • IPv6 Neighbour Discovery (ND) • IPv4 & IPv6 Static Routing
Security	<ul style="list-style-type: none"> • 802.1x Radius/TACACS+ Authentication End Point authentication with 802.1x & Port based • Dynamic ARP Inspection • Port Security- Mac Address filter • DHCP Server, DHCP Snooping, DHCP Relay • ARP Spoofing Prevention • IP Source Guard • DoS Attack Prevention
Time Synchronization	<ul style="list-style-type: none"> • NTP
Firmware Upgradation	<ul style="list-style-type: none"> • Web browser upgrade (HTTP/ HTTPS) and TFTP • Firmware Upgrade through console port as well Web GUI
Management	<ul style="list-style-type: none"> • WEB GUI IPv4/IPv6 Management Support. • Telnet • SSL / SSH • SNMP V1,V2c,V3 • RMON Group1,2,3,9 • LLDP / LLDP-MED • TFTP • Syslog, Sflow • BootP/DHCP Client • Digital Diagnostic Monitoring
Power	
Power Input	48-57V DC Dual Redundant Inputs (54V DC recommended for PoE models.)
PoE Budget	240W
Power consumption	10 W (standby without PoE)
Physical/Environmental	
MTBF	600, 000 hours
Operating Temperature:	-40°C~ 75°C
Storage Temperature:	-40°C~ 85°C
Ambient Relative Humidity:	5% ~ 95% (non-condensing)
Dimensions (W x H x L):	62mm x 135mm x 130mm
Enclosure	IP-30
Mounting	DIN rail
Standard/Certificate	UL/IEC/EN 60950-1, CE, FCC, RoHS
	Shock: IEC 60068-2-27
	Vibration: IEC 60068-2-6
	Drop: IEC 60068-2-32
	NEMA-TS2

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Ordering Information	
DIS-F200-10PS	8 10/100/1000BASE-T PoE / PoE+ ports and 2 Combo 10/100/1000BASE-T/SFP ports Layer 2+ switch. Operating Temperature -40°C to 75°C.

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