



## 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	
<b>Interface</b>	
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
<b>Performance</b>	
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
<b>Software Features</b>	
Port Standards	<ul style="list-style-type: none"> <li>IEEE 802.3 10BASE-T Ethernet</li> <li>IEEE 802.3u 100BASE-TX Fast Ethernet</li> <li>IEEE 802.3x Flow Control</li> <li>IEEE 802.3ab 1000BASE-T Gigabit Ethernet</li> <li>IEEE 802.3af/at compliance (for PoE ports)</li> <li>IEEE 802.3az Energy Efficient Ethernet</li> <li>IEEE 802.3z 1000BASE-X 1 Gbps over fiber optic (MSA compliant SFP supported)</li> </ul>
Layer 2 Feature	<ul style="list-style-type: none"> <li>Jumbo Frame up to 9216 bytes</li> <li>Link Aggregation <ul style="list-style-type: none"> <li>Comply with 802.1AX and 802.3ad</li> <li>Max.4 groups, 4 ports per group</li> </ul> </li> <li>Port Mirroring: Supports 1 Mirroring group <ul style="list-style-type: none"> <li>Supports One-to-One, Many-to-One</li> </ul> </li> <li>Loopback detection &amp; Loop Protection</li> <li>UDLD</li> </ul>
Layer 2 Multicast	<ul style="list-style-type: none"> <li>IGMP Snooping v1, v2, &amp; v3 (1K IGMP groups)</li> <li>MLD Snooping v1 &amp; v2</li> </ul>
Redundancy	<ul style="list-style-type: none"> <li>STP, RSTP, MSTP Protocols</li> <li>Rapid-Ring Protection</li> </ul>
VLAN	<ul style="list-style-type: none"> <li>802.1Q VLAN (4K Vlans)</li> <li>Voice VLAN</li> <li>Q in Q VLAN</li> <li>Management VLAN</li> <li>GARP</li> </ul>
Quality of Service (QoS)	<ul style="list-style-type: none"> <li>802.1P based QoS</li> <li>8 Queues per Port</li> <li>Queue Handling <ul style="list-style-type: none"> <li>Strict Priority</li> <li>Weighted Round Robin (WRR)</li> </ul> </li> <li>Bandwidth Control/Rate-Limit <ul style="list-style-type: none"> <li>Port-based (ingress/egress, min. granularity for 10/100/1000BASE-T ports 64 Kb/s)</li> <li>Unicast, Broadcast &amp; Multicast Storm Control</li> </ul> </li> </ul>

Access Control List (ACL)	<ul style="list-style-type: none"> <li>ACL Based on (256 Entries)</li> <li>• Switch Port</li> <li>• 802.1p Priority</li> <li>• VLAN ID</li> <li>• MAC Address</li> <li>• Ether Type</li> <li>• IPv4/IPv6 address</li> <li>• DSCP</li> </ul>
Layer 3 Features	<ul style="list-style-type: none"> <li>• ARP <ul style="list-style-type: none"> <li>• 256 Static ARP</li> </ul> </li> <li>• Supports Gratuitous ARP</li> <li>• IPv6 Neighbour Discovery (ND)</li> <li>• IPv4 &amp; IPv6 Static Routing</li> </ul>
Security	<ul style="list-style-type: none"> <li>• 802.1x Radius/TACACS+ Authentication</li> <li>End Point authentication with 802.1x &amp; Port based</li> <li>• Dynamic ARP Inspection</li> <li>• Port Security- Mac Address filter</li> <li>• DHCP Server, DHCP Snooping, DHCP Relay</li> <li>• ARP Spoofing Prevention</li> <li>• IP Source Guard</li> <li>• DoS Attack Prevention</li> </ul>
Time Synchronization	<ul style="list-style-type: none"> <li>• NTP</li> </ul>
Firmware Upgradation	<ul style="list-style-type: none"> <li>• Web browser upgrade (HTTP/ HTTPPs) and TFTP</li> <li>• Firmware Upgrade through console port as well Web GUI</li> </ul>
Management	<ul style="list-style-type: none"> <li>• WEB GUI IPv4/IPv6 Management Support.</li> <li>• Telnet</li> <li>• SSL / SSH</li> <li>• SNMP V1,V2c,V3</li> <li>• RMON Group1,2,3,9</li> <li>• LLDP / LLDP-MED</li> <li>• TFTP</li> <li>• Syslog, Sflow</li> <li>• BootP/DHCP Client</li> <li>• Digital Diagnostic Monitoring</li> </ul>
<b>Power</b>	
Power Input	48-57V DC Dual Redundant Inputs (54V DC recommended for PoE models.)
PoE Budget	240W
Power consumption	10 W (standby without PoE)
<b>Physical/Environmental</b>	
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

## DIS-F200-10PS 8 Port PoE+ Gigabit Rugged

### 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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