

HFD Series

DIN Rail IEC-61850-3 Ethernet Switches



Fast Managed Ethernet Switches

- * RingOn™ Redundant Ring Technology, Recovery Time within 15ms, Supports RSTP/STP
- * Enriched Management Features: QoS, IGMP snooping/ GMRP, VLAN, SNMP V1/V2/V3
- * Multiple Redundant AC/DC Power Choices
- * Upgraded EMI Immunity
- * Enclosure color: Blue or Black

Specifications

*** Technology**

Network Standards:

IEEE802.3 10Base-T

IEEE802.3u 100BaseT(X), 100BaseFX

IEEE802.3x Flow Control

IEEE802.1p Classe of Service

IEEE802.1Q VLAN Tagging

IEEE802.1ad LACP

Processing Type:Store and Forward

MAC Address:8k MAC Address Table

Management:by Web Browser

RingOn™:Recovery Time within 15ms

Broadcasting Storm Control:Automatic

Flow Control:Full/Half Duplex Back Pressure Flow Control

Protocols:SNMP V1/V2/V3, DHCP Server, SNTP, SMTP, IGMP Snooping/GMRP, LACP, RMON,

HTTPS, Telnet, Syslog, HTTP, IEC-61850, BacNet/IP, NTP/SNTP

*** Switch Properties**

Priority Queues:4

IGMP Groups:64

Max. Available VLANs:256

VLAN ID Range:1~4096

*** Interface**

RJ45 Port Connectors:10/100Base Auto-sensing, Full/Half Duplex MDI/MDI-X Auto-Negotiation

Fiber Port Connectors:100BaseFX, SC or ST connectors, Single-Mode or Multi-Mode

LED Indicators:Power, Port Status

Console Port:DB9 male

Output Warning:Relay, Standard 2 Pin, 0.5A@24VDC

*** Power Requirements**

Low Voltage Range:12~36VDC; 10~24VAC

High Voltage Range:200~350VDC; 165~265VAC

Connection:Standard 4 Pin Dual Power Connector

*** Optical Fiber**

Mode	Typical Dist	Wavele ngth	Cable Size	TX Power	Rx Sensitivity	Transmission speed
Multi	2km	1310nm	62.5/125um	-23.5~-14dBm	< -35dBm	10/100Mbps
Singl e	15km	1310nm	9/125um	-15~-8dBm	< -35dBm	10/100Mbps

*** Physical Characteristics**

Case: Slim Metal Case, IP40 Design

Dimensions:(W×H×D):

HFD8M:49×139×115mm

HFD16M:70×149×130mm

HFD24M:91×149×130mm

DIN Rail or Panel Mounting

*** Environment Limits**

Temp Models:-40°C to 85°C

Storage Temperature:-45 to 90°C

Ambient Relative Humidity: 10 to 95%(Non-condensing)

* Ordering Information

Models Temperature Models(-40°C~85°C)	Connectors 10/100BaseT(X)	100BaseFX	
		Multi-mode, SC Connectors	Single-mode, SC Connectors
HFD-61850-8M-W	8		
HFD-61850-8M-2S C-W	6	2	
HFD-61850-8M-2S SC-W	6		2
HFD-61850-8M-4S C-W	4	4	
HFD-61850-8M-4S SC-W	4		4
HFD-61850-16M-W	16		
HFD-61850-16M-2 SC-W	14	2	
HFD-61850-16M-2 SSC-W	14		2
HFD-61850-16M-4 SC-W	12	4	
HFD-61850-16M-4 SSC-W	12		4
HFD-61850-24M-W	24		
HFD-61850-24M-2 SC-W	22	2	
HFD-61850-24M-2 SSC-W	22		2
HFD-61850-24M-4 SC-W	20	4	
HFD-61850-24M-4 SSC-W	20		4
HFD-61850-24M-6 SC-W	18	6	
HFD-61850-24M-6 SSC-W	18		6