

HFB10M-2G/18M-2G/28M-4G Series

DIN Rail Industrial Gigabit Managed Ethernet Switches



Datasheet

- * Up to 4 Gigabit Combo Ports
- * 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

Specifications

* Technology

Network Standards:

- IEEE802.3 10Base-T
- IEEE802.3u 100BaseT(X) and 100BaseFX
- IEEE802.3ad 1000Base(X)
- IEEE802.3z 1000BaseSX/LX/HLX/ZX
- IEEE802.3x Flow Control
- IEEE802.1p Classe of Service
- IEEE802.1Q VLAN Tagging
- IEEE802.1ad LACP
- IEEE802.1D for Spanning Tree Protocol
- IEEE802.1W for Rapid STP



IEEE802.3X for Authentication
 Broadcasting Storm Control:Automatic

Processing Type:Store and Forward
 Management:by Web Browse
 RingOn™:Recovery Time within 15ms
 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

*** Switch Properties**

Priority Queues:4
 IGMP Groups:64
 Max. Available VLANs:256
 VLAN ID Range:1~4096

*** Interface**

RJ45 Port Connectors:10/100Base(X) or 10/100/1000BaseT(X) Auto-Negotiation
 Fiber Port Connectors:1000BaseSX/CX/LHX/ZX(SFP slots, LC connectors)
 LED Indicators:Power, Port Status, 10/100/1000M
 Console Port:DB9 male
 Output Warning:Relay, Standard 2 Pin, 0.5A@24VDC

*** Power Requirements**

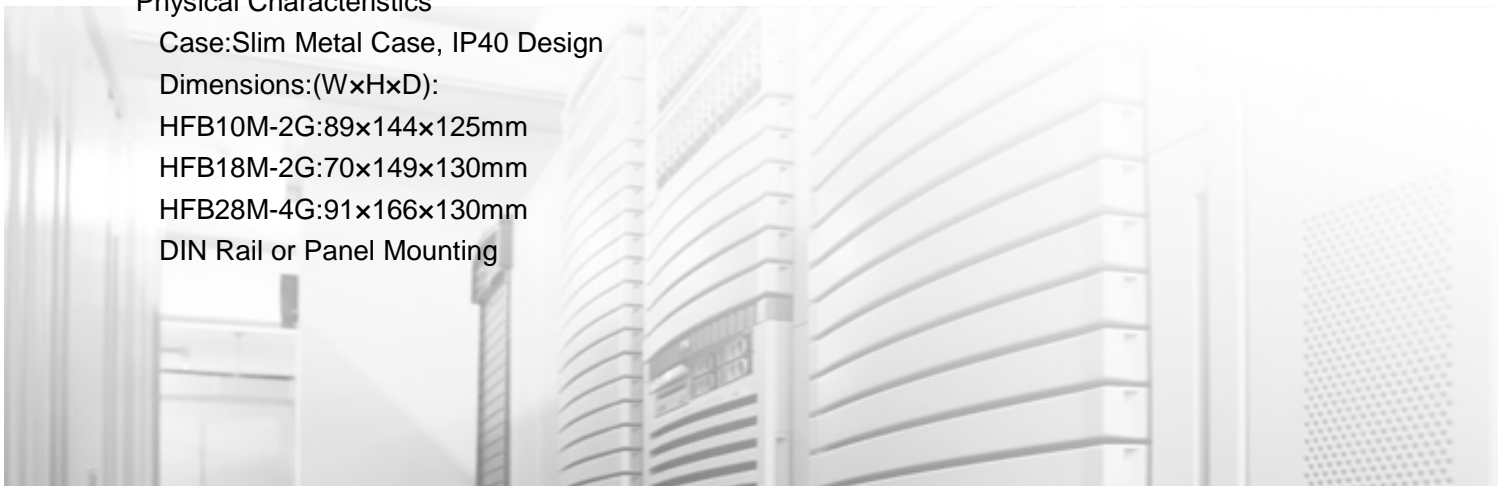
Low Voltage Range:12~36VDC; 10~24VAC
 High Voltage Range:200~350VDC; 165~265VAC
 Connection:Standard 4 Pin Dual Power Connector

*** Optical Fiber**

Mode	Typical Dist	Wave length	Cable Size	TX Power	Rx Sensitivity	Transmission speed
Mult i	2km	1310nm	62.5/125um	-23.5~-14dBm	< -35dBm	10/100/1000M bps
Sing le	15km	1310nm	9/125um	-15~-8dBm	< -35dBm	10/100/1000M bps

*** Physical Characteristics**

Case: Slim Metal Case, IP40 Design
 Dimensions:(W×H×D):
 HFB10M-2G:89×144×125mm
 HFB18M-2G:70×149×130mm
 HFB28M-4G:91×166×130mm
 DIN Rail or Panel Mounting



*** Environment Limits**

Standard Temp Models:-10 to 60°C

Extended Temp Models:-40 to 75°C

Storage Temperature:-40 to 85°C

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

*** Ordering Information**

Product Model		Connectors			
Standard Temperature Models(-10°C~60°C)	Extended Temperature Models(-40°C~75°C)	10/100/1000BaseT(X) Or 1000Base SFP	10/100 BaseT(X)	100BaseFX	
				MM, SC Connectors	SM SC Connectors
HFB10M-2G Series					
HFB10M-2G	HFB10-2G-W	2	8		
HFB10M-2G-2SC	HFB10-2G-2SC-W	2	6	2	
HFB10M-2G-2SSC	HFB10-2G-2SSC-W	2	6		2
HFB10M-2G-4SC	HFB10-2G-4SC-W	2	4	4	
HFB10M-2G-4SSC	HFB10M-2G-4SSC-W	2	4		4
HFB18M-2G Series					
HFB18M-2G	HFB18M-2G-W	2	16		
HFB18M-2G-2SC	HFB18M-2G-2SC-W	2	14	2	
HFB18M-2G-2SSC	HFB18M-2G-2SSC-W	2	14		2
HFB18M-2G-4SC	HFB18M-2G-4SC-W	2	12	4	
HFB18M-2G-4SSC	HFB18M-2G-4SSC-W	2	12		4
HFB28M-4G Series					
HFB28M-4G	HFB28M-4G-W	4	24		
HFB28M-4G-2SC	HFB28M-4G-2SC-W	4	22	2	
HFB28M-4G-2SSC	HFB28M-4G-2SSC-W	4	22		2
HFB28M-4G-4SC	HFB28M-4G-4SC-W	4	20	4	
HFB28M-4G-4SSC	HFB28M-4G-4SSC-W	4	20		4
HFB28M-4G-6SC	HFB28M-4G-6SC-W	4	18	6	
HFB28M-4G-6SSC	HFB28M-4G-6SSC-W	4	18		6