

# HFB Series

## ***Rack Mount Gigabit Unmanaged Industrial Ethernet Switches***



- \* *High Port Density, Up to 24 Fast-Ethernet Ports and 2 Gigabit Combo Ports*
- \* *Elastic configuration, 100Base fiber port with SC/ST connectors, multi-mode/single-mode models are available*
- \* *Multiple power inputs include low voltage redundant power models or 110/220VAC models*

### **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

Flow Control:Full/Half Duplex Back Pressure Flow Control

#### \* 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

#### \* Power Requirements

Power Inputs:48VDC(8~56VDC); 110/220VAC(85~265VDC);

220VDC(120~370VDC); 110VDC(100~120VDC);



\* Optical Fiber

| Mode   | Typical Dist | Wave length | Cable Size | TX Power     | Rx Sensitivity | Transmission speed |
|--------|--------------|-------------|------------|--------------|----------------|--------------------|
| Multi  | 2km          | 1310nm      | 62.5/125um | -23.5~-14dBm | < -35dBm       | 10/100/1000Mbps    |
| Single | 15km         | 1310nm      | 9/125um    | -15~-8dBm    | < -35dBm       | 10/100/1000Mbps    |

\* Physical Characteristics

Case: Slim Metal Case, IP40 Design

Dimensions: (W×H×D): 443×44×220mm (HFB18C-2G/26C-2G)

Installation: 19" rack mounting

\* Environment Limits

Standard Temp Models: -10°C to 60°C

Extended Temp Models: -40°C 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℃ ~60℃) | Extended Temperature Models(-40℃~75℃) | 10/100/1000BaseT(X) or 1000Base SFP | 10/100 BaseT(X) | 100BaseFX    |              |
|                                        |                                       |                                     |                 | MM Fiber, SC | SM Fiber, SC |
| HFB18C-2G Series                       |                                       |                                     |                 |              |              |
| HFB18C-2G                              | HFB18C-2G-W                           | 2                                   | 16              |              |              |
| HFB18C-2G-2SC                          | HFB18C-2G-2SC-W                       | 2                                   | 14              | 2            |              |
| HFB18C-2G-2SSC                         | HFB18C-2G-2SSC-W                      | 2                                   | 14              |              | 2            |
| HFB18C-2G-4SC                          | HFB18C-2G-4SC-W                       | 2                                   | 12              | 4            |              |
| HFB18C-2G-4SSC                         | HFB18C-2G-4SSC-W                      | 2                                   | 12              |              | 4            |
| HFB26C-2G Series                       |                                       |                                     |                 |              |              |
| HFB26C-2G                              | HFB26C-2G-W                           | 2                                   | 24              |              |              |
| HFB26C-2G-2SC                          | HFB26C-2G-2SC-W                       | 2                                   | 22              | 2            |              |
| HFB26C-2G-2SSC                         | HFB26C-2G-2SSC-W                      | 2                                   | 22              |              | 2            |
| HFB26C-2G-4SC                          | HFB26C-2G-4SC-W                       | 2                                   | 20              | 4            |              |
| HFB26C-2G-4SSC                         | HFB26C-2G-4SSC-W                      | 2                                   | 20              |              | 4            |

