

# HFB10-2G/4G Series

## *DIN Rail Gigabit Unmanaged Ethernet Switches*



- \* Up to 4 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 and 220VAC models
- \* Broadcasting Storm Controller

### \* 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

Broadcasting Storm Control:Automatic

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

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 | Wavelength | Cable Size | TX Power      | Rx Sensitivity | Transmission speed |
|--------|--------------|------------|------------|---------------|----------------|--------------------|
| Multi  | 2km          | 1310nm     | 62.5/125um | -23.5~-14 dBm | < -35dBm       | 10/100/1000M bps   |
| Single | 15km         | 1310nm     | 9/125um    | -15~-8dBm     | < -35dBm       | 10/100/1000M bps   |

\* Physical Characteristics

Case: Slim Metal Case, IP40 Design

Dimensions:(W×H×D):

HFB10-2G:89×144×125mm

HFB18-2G:70×149×130mm

HFB28-4G:91×166×130mm

DIN Rail or Panel Mounting

\* Environment Limits

Standard Temp Models:-10℃ to 60℃

Extended Temp Models:-40℃ to 75℃

Storage Temperature:-40 to 85℃

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



## \* Ordering Information

| Product Model                  |                                 | Connectors                             |                 |                           |                            |
|--------------------------------|---------------------------------|----------------------------------------|-----------------|---------------------------|----------------------------|
| Standard Temperature(-10℃~60℃) | Extended Temperature (-40℃~75℃) | 10/100/1000BaseT(X)<br>Or 1000Base SFP | 10/100 BaseT(X) | 100BaseFX                 |                            |
|                                |                                 |                                        |                 | Multi-mode, SC Connectors | Single-mode, SC Connectors |
| HFB10-2G Series                |                                 |                                        |                 |                           |                            |
| HFB10-2G                       | HFB10-2G-W                      | 2                                      | 8               |                           |                            |
| HFB10-2G-2SC                   | HFB10-2G-2SC-W                  | 2                                      | 6               | 2                         |                            |
| HFB10-2G-2SS C                 | HFB10-2G-2SSC-W                 | 2                                      | 6               |                           | 2                          |
| HFB10-2G-4SC                   | HFB10-2G-4SC-W                  | 2                                      | 4               | 4                         |                            |
| HFB10-2G-4SS C                 | HFB10-2G-4SSC-W                 | 2                                      | 4               |                           | 4                          |
| HFB18-2G Series                |                                 |                                        |                 |                           |                            |
| HFB18-2G                       | HFB18-2G-W                      | 2                                      | 16              |                           |                            |
| HFB18-2G-2SC                   | HFB18-2G-2SC-W                  | 2                                      | 14              | 2                         |                            |
| HFB18-2G-2SS C                 | HFB18-2G-2SSC-W                 | 2                                      | 14              |                           | 2                          |
| HFB18-2G-4SC                   | HFB18-2G-4SC-W                  | 2                                      | 12              | 4                         |                            |
| HFB18-2G-4SS C                 | HFB18-2G-4SSC-W                 | 2                                      | 12              |                           | 4                          |
| HFB28-4G Series                |                                 |                                        |                 |                           |                            |
| HFB28-4G                       | HFB28-4G-W                      | 4                                      | 24              |                           |                            |
| HFB28-4G-2SC                   | HFB28-4G-2SC-W                  | 4                                      | 22              | 2                         |                            |
| HFB28-4G-2SS C                 | HFB28-4G-2SSC-W                 | 4                                      | 22              |                           | 2                          |
| HFB28-4G-4SC                   | HFB28-4G-4SC-W                  | 4                                      | 20              | 4                         |                            |
| HFB28-4G-4SS C                 | HFB28-4G-4SSC-W                 | 4                                      | 20              |                           | 4                          |
| HFB28-4G-6SC                   | HFB28-4G-6SC-W                  | 4                                      | 18              | 6                         |                            |
| HFB28-4G-6SS C                 | HFB28-4G-6SSC-W                 | 4                                      | 18              |                           | 6                          |