



HC-1002-SFP-PSE-BT

2 x 10/100/1000Base-Tx to 1000Base-X SFP
Industrial Switch with 180W of PoE power

The HC-1002-SFP-PSE-BT is a 2 port Gigabit Ethernet 10/100/1000Base-Tx to 1000Base-X non-managed Industrial Ethernet Switch providing IEEE 802.3bt 90W per port power, hardened for extreme operating temperatures: -40 to +75 Celsius. Industrial Switches are housed in IP40 rated rugged metal housings designed to operate in difficult conditions, including mechanically and electrically extreme environments. All Industrial switches have strong surge protection (4kV~8kV) per port, depending on models and strict compliance with IEC and EN standards for industrial grade equipment.

Features

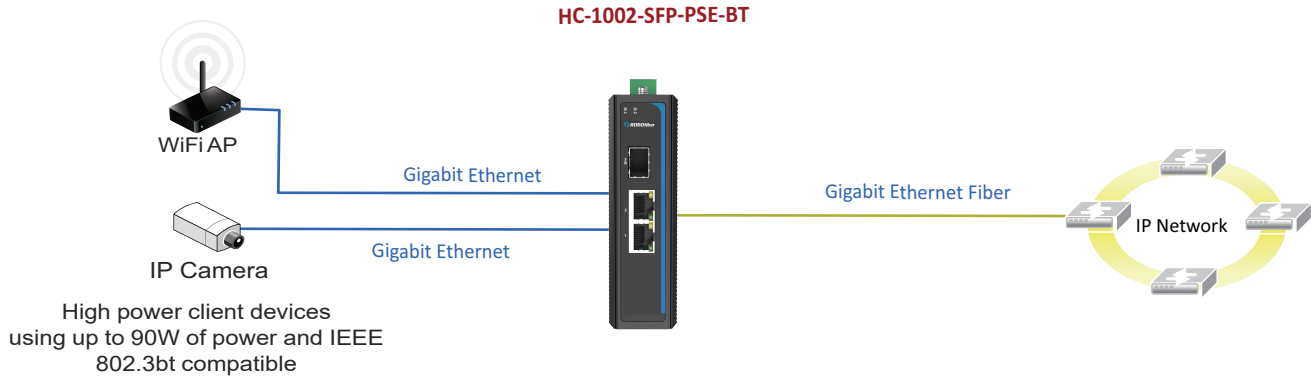
- DC power input block 48-56V
- Extreme operating temperature: -40 to +75 Celsius
- Rugged IP40 rated metal casing with DIN rail bracket
- Store and Forward switching mechanism
- Reversed power polarity protection
- Auto-Negotiation & Auto MDI/MDI-X on every RJ45 port
- Supports 6kV surge protection per port on all TP ports for PoE models
- Supports IEEE 802.1Q Tag VLAN pass thru
- Redundant DC power inputs
- 180W total PoE power budget: up to 90W IEEE802.3af/at/bt per port

Specifications

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| IEEE Standard | IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX and 100Base-FX Fast Ethernet IEEE 802.3ab 1000Base-T and 1000Base-X Gigabit Eth. IEEE 802.3x Flow Control and Back Pressure |
| Switch Architecture | Back-plane (Switching Fabric): 10 Gbps |
| Data Processing | Store and Forward |
| Flow Control | IEEE 802.3x flow control, back pressure flow control |
| Provides Broadcast Storm Protection | Present |
| MAC Address Table | 4K |
| Packet Buffer Size | 1MB |
| Ports | 2 x RJ-45 (HC-1002-SFP) 1 x 1000Base-X SFP slot 10/100/1000Base-TX auto negotiation speed, Auto MDI/MDI-X function, Full/Half duplex |
| Network Cable | 10Base-T: 2-pair UTP/STP Cat.5 cable 100Base-TX: 2-pair UTP/STP Cat. 5 cable 1000Base-T: 4-pair UTP/STP Cat. 5e cable EIA/TIA-568 100-ohm (100m) |
| Protocols | CSMA/CD |
| LED | Per unit: PWR (Green) LNK/ACT (Green - Fiber port status and activity) Per port: Link/Active (Green), Speed/100 (Yellow) |
| Reverse Polarity Protection | Present |
| Overload Current Protection | Present |
| Power Supply | Redundant Dual DC48V (48~52VDC) Input power (Removable Terminal Block) |
| PoE Specs | PoE+ PSE device: IEEE 802.3af/at/bt, up to 90W per port 180W total PoE budget |
| Power Consumption | <185W (at full PSE capacity) |
| Alarm Relay Contact | Relay outputs with current carrying capacity of 1 A @24VDC, NC |
| Removable Terminal Block | Provide 2 Redundant power, Alarm relay contact, 6 Pin |
| Operating Temperature | -40 ~ 75°C |

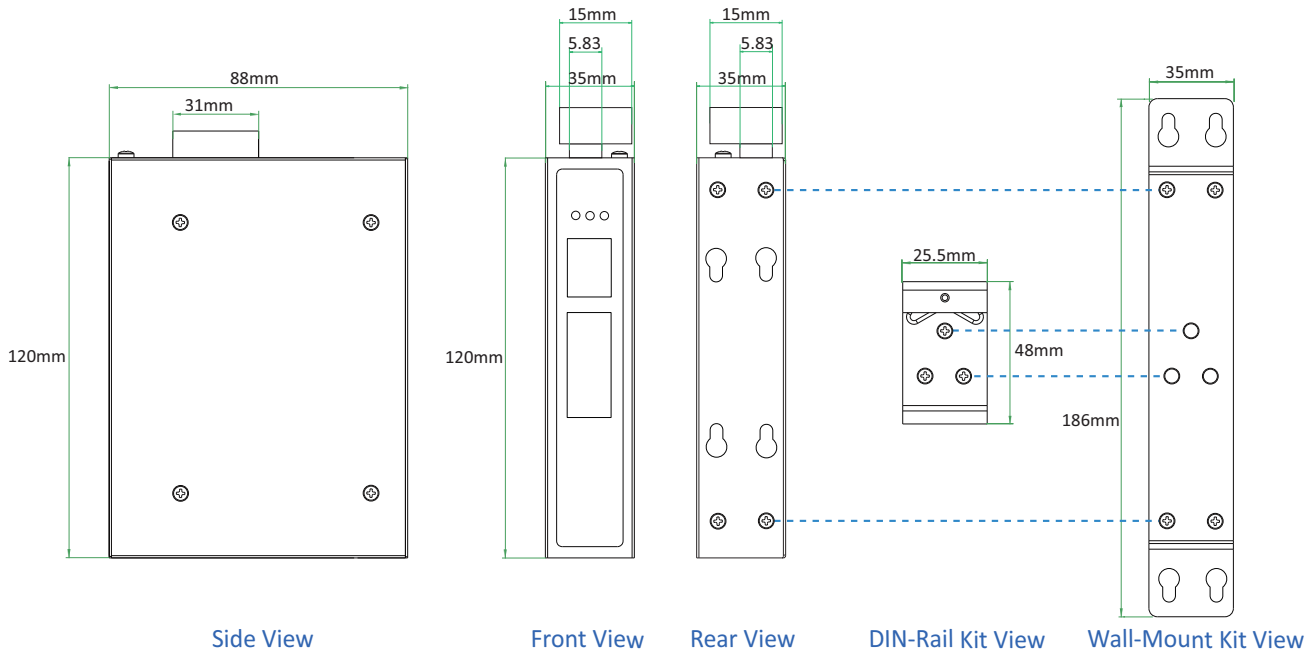
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|------------------------------|--|
| Operating Humidity | 5% to 95% (Non-condensing) |
| Storage Temperature | -40 ~ 85°C |
| Housing | Rugged Metal, IP40 Protection |
| Dimensions | 88 x 35 x 120mm (D x W x H) |
| Weight | 0.44kg |
| Installation Mounting | DIN Rail mounting or wall mounting |
| EMI | FCC Part 15 Subpart B Class A, CE EN 55022 Class A EN61000-6-4 – Emission for industrial environment |
| EMS | EN61000-6-2 – Immunity for Industrial environment EN61000-4-2 (ESD) Level 3, Criteria B EN61000-4-3 (RS) Level 3, Criteria A EN61000-4-4 (Burst) Level 3, Criteria A EN61000-4-5 (Surge) Level 3, Criteria B EN61000-4-6 (CS) Level 3, Criteria A EN61000-4-8 (Magnetic Field) Level 3, Criteria A |
| Traffic control | NEMA-TS2 |
| Rail Traffic | EN50121-4 |
| Shock | IEC 60068-2-27 |
| Freefall | IEC 60068-2-32 |
| Vibration | IEC 60068-2-6 |
| MTBF | 120,000Hrs |
| Warranty | 3 years |

Application



HC-1002-SFP-PSE-BT Gigabit Ethernet Switch Application

Dimensions



Ordering Information

| Model Name | Description |
|--------------------|--|
| HC-1002-SFP-PSE-BT | 2x 10/100/1000Base-Tx to 1000Base-X SFP Non-managed Industrial Switch with 180W of PoE PSE, Extreme Temp. (-40~75 Celsius) |