Product Datasheet

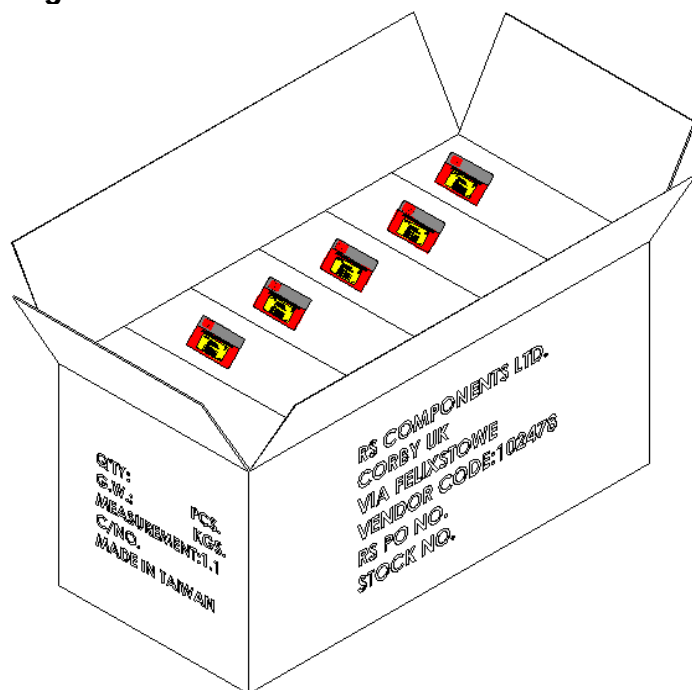# RS Industrial Ethernet Switch

Features

- Redundant dual DC input power 12/24/48VDC (9.6~60VDC)

- IP30 rugged metal housing

- Wide operating temperature -40~75°C

- UL60950-1, CE, FCC Certification

- Industrial Grade EMS, EMI, EN61000-6-2, EN61000-6-4 certified

- 5 or 8-Port 10/100Base-TX (RJ-45)

- Provides broadcast storm protection

- Supports DIP SW for alarm setting and broadcast storm protection

- Supports power failure alarm message by relay

- Supports flow control

CE

Package

1 Carton / 6 pcs

Specifications

- **IEEE Standard**

    - **IEEE 802.3 10Base-T Ethernet**

    - **IEEE 802.3u 100Base-TX and 100Base-FX Fast Ethernet**

    - **IEEE 802.3x Flow Control and Back Pressure**

- **Switch Architecture**

    - **Back-plane (Switching Fabric): 1.0 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: 2K**

- **Packet Buffer Size: 448Kbits**

- **Network Connector**

Specifications

- ■ **5 x RJ-45**

- ■ **10/100Base-TX auto negotiation speed,**

- ■ **Auto MDI/MDI-X function, Full/Half duplex**

- ● **Network Cable**

  - ■ **10Base-T: 2-pair UTP/STP Cat.5 cable**

  - ■ **EIA/ TIA-568 100-ohm (100m)**

  - ■ **100Base-TX: 2-pair UTP/STP Cat. 5 cable**

  - ■ **EIA/ TIA-568 100-ohm (100m)**

  - ■ **Protocols: CSMA/CD**

- ● **LED**

  - ■ **Per unit: Power 1 (Green), Power 2 (Green), Fault (Amber)**

  - ■ **Per port: Link /Active (Green), Speed/100 (Yellow)**

- ● **DIP SW**

  - ■ **DIP 1   OFF : Enable power failure alarm**

       ON : Disable

  - ■ **DIP 2   OFF : Enable broadcast storm protection/**

       ON : Disables broadcast storm protection

- ● **Reverse Polarity Protection : Present**

- ● **Overload Current Protection : Present**

- ● **Power Supply**

  - ■ **Redundant Dual DC 12/24/48V (9.6~60VDC) Input power (Removable Terminal Block)**

  - ■ **Provide DC Power JACK adapter cable for external power supply**

- ● **Power Consumption: 2.9W**

- ● **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 (IFS-500-E, IFS-800-E)**

Specifications

- **Operating Humidity : 5% to 95% (Non-condensing)**

- **Storage Temperature: -40 ~ 85°C**

- **Housing: Rugged Metal, IP30 Protection**

- **Dimensions: 106 x 31.6 x 142mm (D x W x H)**

- **Weight: 0.625kg**

- **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**

- **Safety: UL60950-1 (Pending)**

- **Rail Traffic: EN50121-4**

- **Shock : IEC 60068-2-27**

- **Free fall: IEC 60068-2-32**

- **Vibration: IEC 60068-2-6**

- **MTBF: 650,473Hrs**

- **Warranty : 5 years**