

# JTFA206-13S40

6x 10/100Base-TX to 2x 100Base-FX (1310nm SMF 40km Dual SC)  
Unmanaged Fast Ethernet Industrial Switch



## FEATURES & BENEFITS

- Complies with IEEE 802.3 ,IEEE 802.3u ,IEEE 802.3x
- 6x 10/100Base-TX
- 2x 100Base-FX
- Auto-negotiation of Half-Duplex / Full-Duplex transfer mode
- Redundant Power Design
- Power Polarity Reverse Protection
- Overload Current Protection
- Extends fiber distance up to 40km
- Operating Case Temperature : -40~75
- DIN-Rail or Wall Mountable
- IP30 Corrosion resistant aluminum case

## Application

- Network Communication
- FTTH/FTTB/FTTx
- ISP Backhaul Networking

## OVERVIEW

JTFA206-13S40 is an unmanaged Fast Ethernet industrial Switch is equipped with 6x 10/100Base-TX and 2x 100Base-FX interfaces that provides reliable and cost-effective network connectivity and fiber extension in harsh industrial environments, It is specifically designed to fulfill industrial applications such as industrial automation, security, power/utility, oil and gas, mining and outdoor environment.

## SPECIFICATIONS

|             |            |
|-------------|------------|
| Data Rate   | 10/100Mbps |
| Device Type | Unmanaged  |

### Interface Characteristics

|                  |                                                                                                                                                                                                                  |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Copper Interface | 6x 10/100Base-TX                                                                                                                                                                                                 |
| Fiber Interface  | 2x 100Base-FX                                                                                                                                                                                                    |
| Wavelength       | 1310nm                                                                                                                                                                                                           |
| Media            | SMF                                                                                                                                                                                                              |
| Distance         | 40km                                                                                                                                                                                                             |
| Connector        | Dual SC                                                                                                                                                                                                          |
| LED indicators   | PWR (power supply);<br>FL/A (optical link/action)<br>FDX (FX full duplex),<br>TL/A (twisted pairs link/action)<br>100 (100M transmission rate of twisted pairs),<br>FX (100M transmission rate of optical fiber) |

### Technology

|                         |                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------|
| Standards and Protocols | IEEE 802.3 10BASE-T<br>IEEE 802.3u 100BASE-TX<br>IEEE 802.3x Full duplex and flow control |
| Processing Type         | Store and Forward                                                                         |
| Flow Control            | Half-duplex back-pressure and IEEE 802.3x full-duplex flow control                        |

### Power

|                   |                                                            |
|-------------------|------------------------------------------------------------|
| Power Input       | DC 12~52V                                                  |
| PoE Standard      | /                                                          |
| PoE Power Budget  | /                                                          |
| Power Consumption | <4W                                                        |
| Protection        | Overload current protection<br>Reverse polarity protection |

#### Switch Properties

|                    |            |
|--------------------|------------|
| Switching Capacity | 0.6G       |
| Forwarding Rate    | 0.1488Mbps |
| MAC address table  | 1K         |
| Packet Buffer      | 448K       |
| Jumbo Frame        | 1536K      |
| Delay              | <3μs       |

#### Physical

|               |                                                                                                                  |
|---------------|------------------------------------------------------------------------------------------------------------------|
| Casing Mat.   | Aluminum, IP30                                                                                                   |
| Dimensions    | 118 x 86 x 39mm                                                                                                  |
| Installation  | DIN-Rail                                                                                                         |
| Environmental | Operating temperature : -10~55°C<br>Storage Temperature: -40~85°C<br>Relative Humidity: 5% to 95% non-condensing |

#### Regulatory

|                   |                                                                                                                                                                                                                                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ISO               | Manufactured in ISO-9001 facility                                                                                                                                                                                                            |
| Safety & Emission | CE , FCC, RoHS                                                                                                                                                                                                                               |
| EMI               | FCC Part 15B Class A<br>EN 61000-6-4<br>EN 61000-3-2<br>EN 61000-3-3                                                                                                                                                                         |
| EMS               | EN 61000-6-2<br>EN 61000-4-2 (ESD Standards)<br>EN 61000-4-3 (Radiated RFI Standards)<br>EN 61000-4-4 (Burst Standards)<br>EN 61000-4-5 (Surge Standards)<br>EN 61000-4-6 (Induced RFI Standards)<br>EN 61000-4-8 (Magnetic Field Standards) |
| Stability         | IEC 60068-2-6 Fc (Vibration) IEC 60068-2-27 Ea (Shock) IEC 60068-2-32 Ed (Free fall w/package)                                                                                                                                               |

#### Reliability

|      |            |
|------|------------|
| MTBF | >50,000Hrs |
|------|------------|

### Mechanical Dimensions

118 x 86 x 39mm(LxWxH)

