

# JTFA206-15S80-P

6x 10/100Base-TX to 2x 100Base-FX (1550nm SMF 80km Dual SC)  
Unmanaged Fast Ethernet PoE Industrial Switch



## FEATURES & BENEFITS

- Complies with IEEE 802.3 ,IEEE 802.3u ,IEEE 802.3x ,IEEE 802.3af/at PoE
- 6x 10/100Base-TX with IEEE 802.3af/at PoE
- 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 80km
- 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

JTFA206-15S80-P is an unmanaged Fast Ethernet is equipped with 6x 10/100Base-TX (IEEE 802.3af/at PoE) and 2x 100Base-FX interfaces that provides reliable and cost-effective network connectivity and fiber extension in harsh industrial environments, It is specifically designed supporting up to 30 Watts PoE per port 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 (IEEE 802.3af/at PoE)                                                                                                                                                                    |
| Fiber Interface  | 2x 100Base-FX                                                                                                                                                                                             |
| Wavelength       | 1550nm                                                                                                                                                                                                    |
| Media            | SMF                                                                                                                                                                                                       |
| Distance         | 80km                                                                                                                                                                                                      |
| Connector        | Dual SC                                                                                                                                                                                                   |
| LED indicators   | PWR (power supply) FL/A (optical link/action) 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<br>IEEE 802.3af/at PoE |
| 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      | IEEE 802.3af/at PoE                                        |
| PoE Power Budget  | 30W Per PoE Port                                           |
| Power Consumption | <4W                                                        |
| Protection        | Overload current protection<br>Reverse polarity protection |

#### Switch Properties

|                    |                 |
|--------------------|-----------------|
| Switching Capacity | 1.6G            |
| Forwarding Rate    | 0.1488Mbps      |
| MAC address table  | 1K              |
| Packet Buffer      | 448K            |
| Jumbo Frame        | 1552/1536/bytes |
| Delay              | <3μs            |

#### Physical

|               |                                                                                                            |
|---------------|------------------------------------------------------------------------------------------------------------|
| Casing Mat.   | Aluminum, IP30                                                                                             |
| Dimensions    | 143 x 101 x 44mm                                                                                           |
| Installation  | DIN-Rail                                                                                                   |
| Environmental | Operating temperature : -10~55°C Storage Temperature: -40~85°C 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

143 x 101 x 44mm(LxWxH)

