

JTFA102-15S80

2x 10/100Base-TX to 1x 100Base-FX (1550nm SMF 80km Dual SC)
Unmanaged Fast Ethernet Industrial Switch



FEATURES & BENEFITS

- Complies with IEEE 802.3 ,IEEE 802.3u ,IEEE 802.3x
- 2x 10/100Base-TX
- 1x 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

JTFA102-15S80 is an unmanaged Fast Ethernet industrial Switch is equipped with 2x 10/100Base-TX and 1x 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	2x 10/100Base-TX
Fiber Interface	1x 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) TL/A (twisted pairs link/action) 100 (100M transmission rate of twisted pairs) FX (100M transmission rate of optical fiber)

Technology

Standards and Protocols	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX 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 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 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 EN 61000-6-4 EN 61000-3-2 EN 61000-3-3
EMS	EN 61000-6-2 EN 61000-4-2 (ESD Standards) EN 61000-4-3 (Radiated RFI Standards) EN 61000-4-4 (Burst Standards) EN 61000-4-5 (Surge Standards) EN 61000-4-6 (Induced RFI Standards) 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
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Mechanical Dimensions

118 x 86 x 39mm(LxWxH)

