

JTGA101-B35S40

1x 10/100/1000Base-TX to 1x 1000Base-FX (TX1310/RX1550nm SMF 40km Single SC) Unmanaged Gigabit Ethernet Industrial Media Converter



FEATURES & BENEFITS

- Complies with IEEE 802.3 ,IEEE 802.3u ,IEEE 802.3ab ,IEEE 802.3z 1000BASE-X Gigabit FiberIEEE 802.3x
- 1x 10/100/1000Base-TX
- 1x 1000Base-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

JTGA101-B35S40 is an unmanaged industrial media converter with 1x 10/100/1000Base-TX and 1x 1000Base-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 | 10/100/1000Mbps |
| Device Type | Unmanaged> |
| Form Factor | / |

Interface Characteristics

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|------------------|---|
| Copper Interface | 1x 10/100/1000Base-TX |
| Fiber Interface | 1x 1000Base-FX |
| Wavelength | TX1310/RX1550nm |
| Media | SMF |
| Distance | 40km |
| Connector | Single 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), 1000 (100M transmission rate of twisted pairs) |

Technology

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|-------------------------|--|
| Standards and Protocols | IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3z 1000BASE-X Gigabit Fiber 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

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

Switch Properties

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|--------------------|------------|
| Switching Capacity | 0.4G |
| Forwarding Rate | 0.1488Mbps |
| MAC address table | 2K |
| Packet Buffer | 256K |
| Jumbo Frame | 9K |
| Delay | <3 μ s |

Physical

| | |
|---------------|---|
| Casing Mat. | Aluminum, IP30 |
| Dimensions | 118 x 86 x 39mm |
| Installation | DIN-Rail |
| Environmental | Operating temperature : -10~55°C Storage Temperature: -40~75°C Relative Humidity: 5% to 100% non-condensing |

Regulatory

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|-------------------|--|
| 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) |
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|--------------------------|--|
| | fall w/package) |
| Stability Reliability | IEC 60068-2-6 Fc (Vibration) IEC 60068-2-27 Ea (Shock) IEC 60068-2-32 Ed (Free |
| MTBF | >50,000Hrs |

Mechanical Dimensions

118 x 86 x 39mm(LxWxH)

