

JTGA005

5x 10/100/1000Base-TX Unmanaged Gigabit Ethernet Industrial Switch



FEATURES & BENEFITS

- Complies with IEEE 802.3 ,IEEE 802.3u ,IEEE 802.3ab ,IEEE 802.3x
- 5x 10/100/1000Base-TX
- Auto-negotiation of Half-Duplex / Full-Duplex transfer mode
- Redundant Power Design
- Power Polarity Reverse Protection
- Overload Current Protection
- Extends fiber distance up to /
- 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

JTGA005 is an unmanaged Gigabit Ethernet industrial Switch is equipped with 5x 10/100/1000Base-TX 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

Interface Characteristics

Copper Interface	5x 10/100/1000Base-TX
Fiber Interface	/
Wavelength	/
Media	/
Distance	/
Connector	/
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 802.3ab 1000BASE-T 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
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PoE Standard	/
PoE Power Budget	/
Power Consumption	<4W
Protection	Overload current protection Reverse polarity protection

Switch Properties

Switching Capacity	10G
Forwarding Rate	1.488Mbps
MAC address table	2K
Packet Buffer	2MB
Jumbo Frame	9K
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 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

143 x 101 x 44mm(LxWxH)

