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10/100BaseT(X) to 100MBase-FX

Unmanaged Gigabit Ethernet Media Converter

Overview

WFA101-13T02 Serials is a compact & intelligent designed Fast Ethernet Mini media converter which complies with IEE802.3z/ab Fast Ethernet standard. It supports two types of media for network connection such as 100Base-Tx to 100Base-Fx and connects these two types of segments to operate smoothly. It can implement date transmission between twisted pair electrical signals and optical signals which are the two types of network connection media .

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Features

➢ 10/100Mbps auto-sensed, easily upgrade
➢ Full-duplex and half-duplex auto-sensed
➢ MDI/MDI-X Auto Negotiation
➢ 10/100Mbps store-and-forward
➢ 100Mbps cut-through transmissionBuild-in Lightning-protection chipset
➢ Packet size up to1518bytes
➢ Supporting VLAN / VoIP /QoS packets
➢ Support flow control and reduce broadcast packets
➢ Supporting STP to form a redundant network
➢ Providing Desktop, Wall-mounted, Chassis, DIN-rail installation
➢ Supports SC,ST or LC optic-connetor
➢ Extends data transmission distance from 100m via copper cables to 2km Overload Current Protection
➢ Reverse Polarity Protection
➢ low-delay time pure data transmission
➢ auto-ranging AC or DC power supply
➢ Extremely low power consumption, low heat, stable performance
➢ CE,FCC,RoHS available

Application

➢ Distributed multi−processing
➢ Switch to switch interface
➢ Fiber To The Building(FTTB)
➢ Fiber To The Home(FTTH)
➢ ISP Backhaul Networking
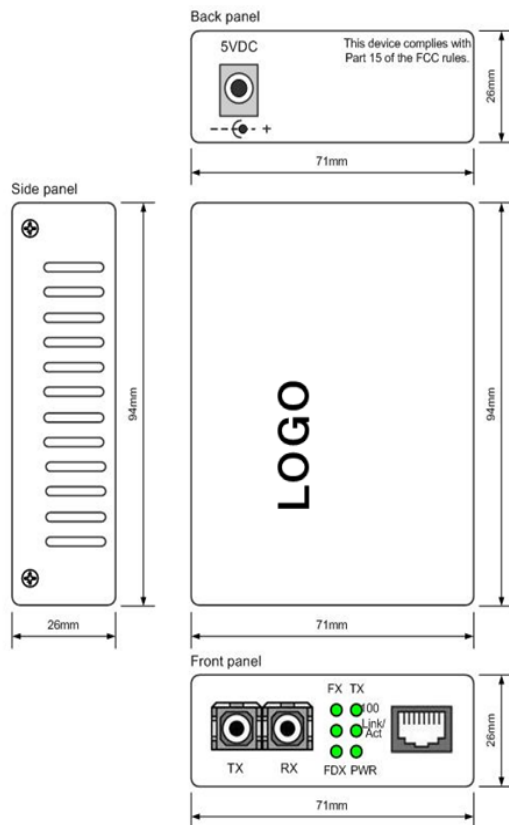
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Standard	IEEE 802.3 10Base-T,100Base-T,100Base-F、IEEE802.3u 100Base-TX/FX Fast Ethernet
Copper Port	Connector: RJ45 Speed Rate: 1000M auto-adaptive Distance: 100m
Fiber Port	Connector: SC as default, FC/ST Optional Speed Rate: 155M Wavelength: SMF 1310nm Distance: 2km
Performance	Forward Type: Store and Forward Transmission mode : Asynchronous work, Point-to-Point, Full-duplex/Half-duplex MAC Address: 8K Buffer Space : 128K Jumbo Frame: 10K Time delay: ＜20μs
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)
Power Supply	Power Type: External Power Adaptor Input Voltage: AC100V~240V or DC36~72V, 50/60Hz Output Voltage: 5V1A Connector : DC Socket
Power	＜3W
Environment	Operating temperature : -10~55ºC Storage Temperature: -40~70ºC Relative Humidity: 5% to 95% non-condensing
Dimensions	94mmx70mm*26mm
Gross Weight	0.4kg

Mechanical Dimensions

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Ordering Information:

Part Number	Specifications
WF101-P	100M SFP Slot media converter External Pwr, Standalone
WFA101-P	10/100M SFP Slot media converter External Pwr, Standalone
WFA101-08S05	10/100M MM Dual fiber, 850nm, SC, 550m External Pwr, Standalone
WFA101-13T02	10/1000M MM Dual fiber, 1310nm, SC, 2km External Pwr, Standalone
WFA101-13S10	10/100M SM Dual fiber, 1310nm, SC, 10km External Pwr, Standalone
WFA101-13S20	10/100M SM Dual fiber, 1310nm, SC, 20km External Pwr, Standalone
WFA101-13S40	10/100M SM Dual fiber, 1310nm, SC, 40km External Pwr, Standalone
WFA101-15S80	10/100M SM Dual fiber, 1550nm, SC, 80km External Pwr, Standalone
WFA101-15S100	10/100M SM Dual fiber, 1550nm, SC, 100km External Pwr, Standalone
WFA101-B35S20	10/100M SM single fiber, T1310/1550nm, SC, 20km External Pwr, Standalone
WFA101-B53S20	10/100M SM single fiber, R1310/1550nm, SC, 20km External Pwr, Standalone
WFA101-B35S40	10/100M SM single fiber, 1310/1550nm, SC, 40km External Pwr, Standalone
WFA101-B53S40	10/100M SM single fiber, 1310/1550nm, SC, 40km External Pwr, Standalone
WXR-14-2U-A1D	2U Rack-mountable Chassis system 14 slot, double AC220V power supply, for stand alone unit
WXR-14-2U-D4D	2U Rack-mountable Chassis system14 slot, double DC48V power supply, for stand alone unit

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