

10/100Base-T to 100Base-FX Ethernet Media Converter

TC3212

- Compact Design
- Link Distances up to 80km*
- One-Fiber Bi-Directional Communication (optional)
- Multimode or Single Mode (1300/1550nm)
- Full or Half-Duplex Operation
- Seven LED Status Indicators
- Power: 12VDC, 24VDC, -48VDC or 115/230VAC
- Operating Temp -10°C to 50°C (High Temp -20°C to 70°C optional)



TC3212 (shown with SC fiber connectors)

Featuring distances up to 80km*, the TC3212 10/100Base-T Ethernet Fiber Optic Converter provides a 100Base-FX port that combines Ethernet Switching with the benefits of fiber optic technology to boost network bandwidth, security and immunity from electro-magnetic Interference (EMI) and ground loops.

The TC3212 comes standard with one fiber port and one Ethernet copper auto-sensing switching port. The Ethernet port supports 10/100Base-T.

Specifically designed for long distances, the TC3212 can extend LAN segments up to 80km*. A one-fiber, bi-directional communication option is also available to maximize fiber optic cable usage. Seven diagnostic status LEDs are provided:

Power:

- "PWR"DC Power Supply Indicator
- "VCC"VCC Voltage Indicator

Fiber:

- "Link/Act"Link and Activities Indicator
- "SDET"Signal Detect

Copper:

- "Lnk/Act"Link and Activities Indicator
- "Speed" Indicate Speed 10M or 100M
- "Duplex"Indicate full duplex or half duplex

The TC3212 works with all popular sizes of single mode and multimode fiber optic cable. Fiber optic connectors are ST, FC or SC. Electrical connector is RJ-45 Female. Power is 12VDC, 24VDC, -48VDC or 115/230VAC with an external power cube. The standard operating temperature is -10°C to 50°C (High Temp -20°C to 70°C optional) .

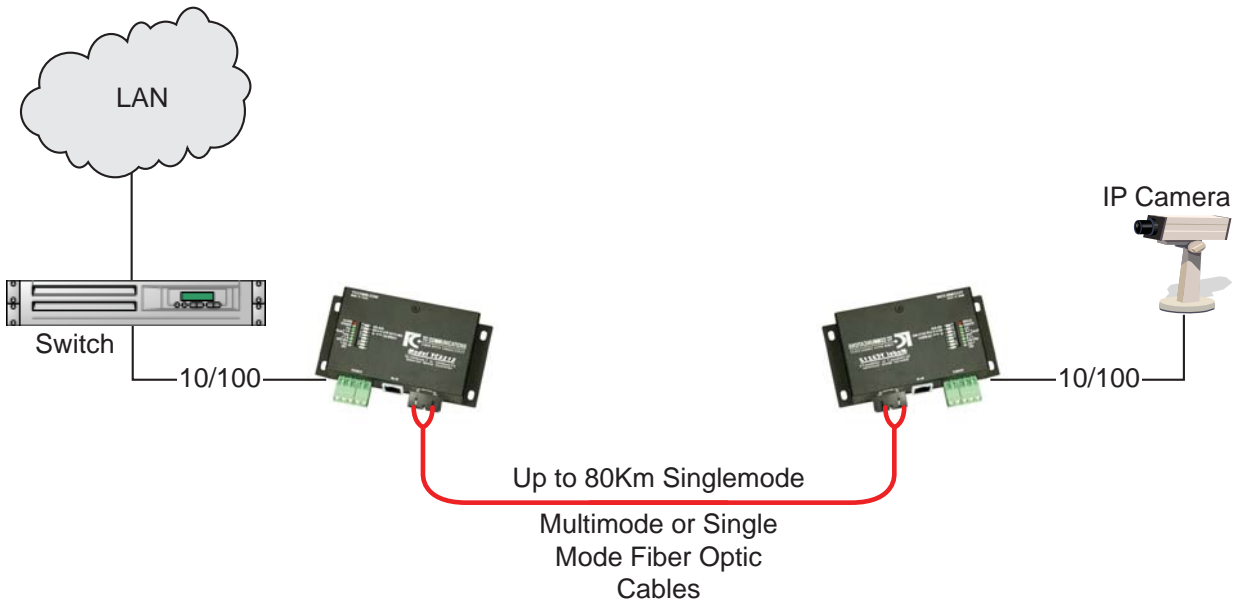


Applications

The TC3212 is frequently used to extend or connect Ethernet segments up to 80km*. Typical applications include linking Ethernet Switches or workstations.

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* Contact factory for higher requirements/availability



Typical Application Using TC3212 to Link an IP Camera Via Fiber

Data Rates

.....10/100 Mbps

Optical

TransmitterLASER
 ReceiverPIN Diode
 Wavelength
1300nm Multimode
1300/1550nm Single Mode
 Fiber Optic ConnectorsSC
Optional FC, ST
 Loss Budget* - 1300/1550nm
 Multimode @62.5/125µm15dB
 Single Mode @9/125µm20dB
 One Fiber (Bi-Directional
 Communications)Up to 80Km

Electrical

Connector(UTP) RJ45 Female

Visual Indicators

Power StatusPWR, & VCC
 UTP Signal Status
Link/Act, Speed, Duplex
 Optic Signal Status ...Link/Act, SDET

Ethernet Standards

IEEE 802.3, 802.3u, 802.3x
10/100Base-T, 100Base-FX

Power

Standard.....12VDC
 Optional.....24VDC, -48VDC,
 115/240VAC with power cube

Temperature

Operating.....-10°C to 50°C
 Hi-Temp (optional)..... -20°C to 70°C
 Storage..... -40°C to 90°C
 Humidity95% non-condensing

Physical

Height.....(2.86cm)1.13"
 Width.....(12.7cm)5"
 Depth.....(6.6cm)2.6"
 Weight.....(173 gm)6.1 oz

*Contact factory for higher requirements



ISO 9001
 QM-SAI Global
 #1045959

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