

**10/100 base dual fiber media converters****Description**

10/100 base dual fiber Series Optic Fiber Media Converter is the conversion equipment of Ethernet optical-electronic signals between 10/100M UTP interface (TX) and 100M Fiber interface (FX). The traditional 10/100M Fast Ethernet can be extended to the distance of 120km through optical fiber link. This Series products with reasonable price are especially designed for network users.

**Main features**

1. Auto negotiation function allows UTP port to select the transmission mode of 10/100M and Full Duplex or Half Duplex.
2. UTP port supports MDI / MDI-X auto crossover.
3. Multiple optical interface to be chosen: SC, ST or FC, singlemode / multimode
4. Supporting 1552 Byte packet
5. Internal circuit of prevented thunder could greatly reduce damage of the converter caused by thunderbolt induction.
6. Design of internal or external power supply for selection by users

**Technical Specifications**

\* Operating standards: IEEE802. 3u, 10/100Base-TX and 100Base-FX

\* MAC address table: 1K

\* Connector: UTP: RJ-45 10/100Mbps; Fiber: ST/SC/FC 100Mbps

\* Cable:

UTP: Cat. 5 UTP (the max distance up to 100m)

Fiber ( Multimode): 50/125, 62. 5/125  $\mu$  m(the max distance up to 2km or 5km)

Fiber ( Singlemode): 8. 3/125, 8. 7/125, 9/125, 10/125  $\mu$  m(the max distance up to 20 -120km)

\* Flow Control

Full Duplex: Supporting standard IEEE802. 3x

Half Duplex: Back pressure

\* LED: Power, FX FDX, FX Link/Act, TX 100, TX FDX, TX Link/Act.

\* Power: AC 170 ~ 240V; DC 5V.

\* Ambient Temperature: 0 ~ 70° C

\* Humidity: 5 ~ 90%

**Order Information**

D10100: 10/100M multimode Converter, the max optical fiber distance up to 2 or 5 km.

D10100-xx: 10/100M singlemode Converter, max optical fiber distance from 20 to 120 km, xx is the amount of distance.

For detailed inquiry please contact our sales team at: [sales@HuihongFiber.com](mailto:sales@HuihongFiber.com) .

**10/100 base single fiber media converters****Description**

10/100M Singlemode Single Fiber Media Converter can convert Optical-Electric Ethernet signals between 10/100M UTP interface (TX) and 100M optical fiber interface (FX). It could extend traditional 10/100M Fast Ethernet to the distance of 90km through single optical fiber link. It is with stable performance and good quality by adopting latest IC from USA and Taiwan. It must be used in couples, because the transmitted optical differs from the receive optical in wavelength.

**Main features**

1. The transmission of a channel optical signals can be completed by single fiber. It has doubled in quantity of fiber data transmission compared with twin fiber type.
2. Auto negotiation function allows UTP port to auto select 10M or 100M and Full Duplex or Half Duplex
3. The UTP port supports MDI/MDI-X auto crossover.
4. Supporting 1600 bytes packet for management.
5. Internal circuit of prevented thunder could greatly reduce damage of converters caused by thunderbolt induction.
6. Indicator function of link fault (LFP): When optical fiber is at fault, the converter could stop all the link.
7. Converter working mode could be chosen: Store and forward switch mode, Modified cut-through switch mode, or Converter mode.

**Technical Specifications**

\* Operating standards: IEEE802. 3u, 10/100Base-TX and 100Base-FX;

\* MAC addresses table: 1K

\* Data buffer: 128K.

\* Connectors: UTP Connector: RJ-45, 10/100Mbps; Fiber Connector: SC, 100Mbps

\* Cable:

UTP: Cat. 5 UTP cable (the max distance up to 100m)

Fiber ( Singlemode): 8. 3/125, 8. 7/125, 9/125, 10/125  $\mu$  M(the max distance up to 90km)

\* Flow Control

Full Duplex: IEEE802. 3x

Half Duplex: Back pressure

**Order Information**

S10100-MC01/02 -xx: 10/100M Singlemode Single Fiber Converters must be used and orderd in couples. One set of MC01 must be connected with another set of MC02 for using. MC01 transmitted optical wavelength 1310nm, receive optical wavelength 1550nm; MC02 transmitted optical wavelength 1550nm, receive optical wavelength 1310nm. The max distance of fiber is up to 20, 40, 60, 80 km. XX is the amount of distance.

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**10/100/1000 base dual fiber media converters****Description**

Gigabit Fiber Converter can convert Optical-Electric Ethernet signals between 10/100/1000M UTP interface (TX) and 1000M optical fiber interface (FX). The traditional 10/100/1000M gigabit Ethernet can be extended to the distance of 100km through optical fiber link.

**Main features**

1. Auto negotiation function allows UTP ports to auto select 10/100/1000M and Full Duplex or Half Duplex.
2. UTP port supports MDI / MDI-X auto crossover.
3. Supporting the max 1536 byte Ethernet packet.
4. Supporting flow control
5. Adopting internal power supply

**Technical Specifications**

\* Operating standards: IEEE802. 3z/AB 1000Base-T, 1000Base-SX/LX

\* MAC address table:

4K

\* Data Buffer: 256K

\* Connector: UTP: RJ-45, 10/100/1000Mbps, Fiber: SC, 1000Mbps

\* Cable

UTP: Cat 5e or Cat 6 (the max distance up to 100m)

Fiber (multimode): 50/125, 62. 5/125  $\mu$  m (the max distance up to 550/224m)

Fiber (singlemode): 8. 3/125, 8. 7/125, 9/125  $\mu$  m (the max distance up to 100km)

\* Flow control

Full Duplex: IEEE802. 3x flow control

Half Duplex: Back pressure flow control

\* Power: A. C. 220V (170-250V), 50Hz; D. C. 5V, 1A

\* Ambient temperature: 0 ~ +50degree

\* Storage temperature: -20 ~ +70degree

\* Humidity: 5% ~ 90%

**Order Information**

D1000-GM03: 10/100/1000M Gigabit Ethernet Multimode Converter: Optical wavelength 850nm, optical fiber max distance up to 224m for 62. 5  $\mu$  m, 550m for 50  $\mu$  m

D1000-303S-xx: 10/100/1000M Gigabit Ethernet Singlemode Fiber Converter: Optical wavelength 1310 or 1550nm, optical fiber max distance up to 20, 40, 60, 80 or 100km, xx is the amount of distance.

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**10/100/1000 base single fiber media converters****Product Description**

Gigabit Single Fiber Converter can convert Optical-Electric Ethernet signals between 10/100/1000M UTP interface (TX) and 1000M optical fiber interface (FX). The traditional 10/100/1000M gigabit Ethernet can be extended to the distance of 90km through single optical fiber link. The performance and quality of the products are excellent because of adopting latest Gigabyte IC from USA and Taiwan. It must be used in couples, because the transmitted optical differs from the receive optical in wavelength

**Main features**

1. The transmission of a channel signals can be completed by single fiber. It has doubled in quantity of fiber data transmission compared with twin fiber.
2. Auto negotiation function allows UTP port to auto select 10/100/1000M and Full Duplex or Half Duplex
3. The UTP port supports MDI / MDI-X auto crossover.
4. Supporting the max 1536 bytes packets
5. Adopting internal power supply to insure equipment at long-hours work stably.

**Technical Specifications**

\* Operating standards: IEEE802. 3z/AB, 1000Base-T and 1000Base-SX/LX

\* MAC address table: 4K

\* Data Buffer: 256K

\* Connector: UTP: RJ-45, 10/100/1000Mbps; Fiber: SC, 1000Mbps.

\* Cable:

UTP: Cat. 5e or Cat. 6 (the max distance up to 100m)

Fiber (singlemode): 8. 3/125, 8. 7/125, 9/125, 10/125  $\mu$  m (the max distance up to 90km)

\* Flow control:

Full Duplex: IEEE802. 3x

Half Duplex: Back pressure

\* Power: AC. 220V(170-260V), 50Hz; DC. 5V, 2A

\* Ambient temperature: 0 ~ +50° C

\* Storage temperature: -20 ~ +70° C

\* Humidity: 5% ~ 90%

**Order Information**

S1000-GS03-W1/2 -xx: 10/100/1000M singlemode single fiber converters must be used and ordered in pair. The max distance of fiber is up to 20, 40, 60 or 80km. XX is the amount of distance

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**Single mode to Multi mode Fiber Optic Media Converter****Description**

Singlemode to Multimode Fiber Optic Media Converter-Singlemode to Multimode Converters are simple and reliable devices for connecting multimode fiber traffic to single mode fiber devices and links. Use these bi-directional media converters individually to connect 100Base-FX multimode and singlemode devices, or in pairs at each end of long-distance singlemode fiber links. These Converters are the perfect solution dispersed networks where media conversion required between multimode segments separated by long distances.

**Technical Specifications**

Conform to the IEEE802.3u 100BASE-TX/FX standards

Connector:FX connector are all SC

Indicator:

PWR: Power Indicator

FIBER A

FIBER B

Work mode: full-duplex

wave length:

Single mode:1300nm,1310nm,1550nm

Multi modes:1300nm,850nm

Power supply: 5V DC 1A(External Power)

Work temperature:0-65°C

Storage temperature: -40~70°C

Humidity: 5-90%(non-condensing)

For detailed inquiry please contact our sales team at: [sales@HuihongFiber.com](mailto:sales@HuihongFiber.com) .

**16 Slot Media Converter Chassis****Description**

Slots Media Converter Chassis -media converter chassis supplied is acceptable for the most 16 sets of different Media Converter Cards within a rack-mountable chassis which is supplied with unified power. Installing at the center of network, it can not only reduce the links, simplify the structure, but also ease for management and maintenance.

It can be tidily placed at any network environment. The external form of RACK is simple and tidy. It is ready for 10/100Mbps, 10/100/1000Mbps Converter Card to be plugged in, and will be the best solution of network connections for the continuous development of network.

**Main features**

1. The power of the Rack can be supplied by the type of single power or dual power. Adopting dual power supply, the load of each power can be reduced and the life of the power would extend. When one power supply is at fault, the other one can still work independently. It would enhance the reliability of the RACK.
2. Supplying the converters or powers to be plugged and played.
3. 2U high: 19 inch standard design
4. It is possessed of stable performance, large capacity of power supply, and ease for management and maintenance.

**Technical Specifications**

- \* Capacity: 16 slots available. Every 10/100M Converter Card occupies one slot, every 10/100/1000M Converter Card occupies two slots.
- \* Power input: AC 100~260V, 50~60Hz; Output: DC +5V 12A
- \* Power protection: Protection from over voltage, over current and short circuit
- \* Ambient temperature: 0 ~ +50° C
- \* Storage temperature: -20° C~70° C
- \* Humidity: 5% ~ 90%
- \* Dimensions: 485(wide) x 245(length) x 90(high) mm

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**14 Slot Media Converter Chassis****Description**

It is acceptable for the most 14 sets of 10M, 100M, or 1000M Media Converters within a rack-mountable chassis which is supplied with unified power. Installing at the center of network, the Rack not only reduce the links, simplify the structure, but also ease for management and maintenance.

**Main features**

The power of the Rack can be supplied by the type of single power or dual power. Adopting dual power supply, the load of each power can be reduced and the life of the power would extend. When one power supply is at fault, the other one can still work independently. It would enhance the reliability of the RACK. Supplying the Converters or Powers to be plugged and played.

It is possessed of stable performance, large capacity of power supply, and ease for management and maintenance  
2U high: 19-inch standard design

**Technical Specifications**

Capacity : 14 slots available

Power: Input: AC 100 ~ 260V, 50~60HZ

Output: DC +5V 12A

Power protection: protection from over voltage, over current and short circuit

Working temperature: 0~50°C

Storage temperature: -20°C~70°C

Relative Humidity: 5%~95%

Dimensions: 485 (wide) x 245 (length) x 90 (high) mm

For detailed inquiry please contact our sales team at: [sales@HuihongFiber.com](mailto:sales@HuihongFiber.com) .