**Features**

1. Accord to IEEE802.1 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-TX, IEEE802.3z 1000Base-SX/LX
2. MDI/MDI-X auto negotiation, 10M/100M/1000M auto negotiation
3. Supports full/half duplex, Point-to-point transparent transfer
4. With one SFP slot
5. Plug-and-play, easy to installation
6. Can insert to 2U 19”, 14 slots Rackmount(power external)

**Introduction**

Model3011, 10/100/1000Mbps adaptive Gigabit Ethernet fiber converter uses the switching technology to conduct media conversion, which meets the standards of IEEE802.3, IEEE802.3u, IEEE802.3z and IEEE802.3ab. This kind of media converter supports two types of media network connections: 10Base-T/100Base-TX and 1000Base-SX/LX. Model3011 can conduct mutual conversion between 10Base-T/100Base-TX/1000Base-T twisted pair electrical signals and 1000Base-SX/LX optical signals. This media converter extends the transmission distance of a network from 100m over copper wires to 120 Km. This media converter supports transmission in dual-fiber multi-mode, dual-fiber single-mode, SFP style fiber-optic connections.

**Specification**

- Standards: comply with IEEE802.1 10Base-T, IEEE802.3u 100Base-TX, IEEE 802.3ab 1000Base-TX, IEEE802.3z 1000Base-SX/LX standards
- RJ45 port rate: 10/100/1000Mbps auto negotiation
- Optic port rate: 1000Mbps
- Transfer distance: RJ45: 100m
  - Fiber optic: 20, 40, 60, 80, 100, 120km(SM), 550m(MM) optional
- RJ45 port cable: UTP 5E
- Fiber connector: LC
- Fiber optic cables: Single Mode: 8.3/125, 8.7/125, 9/125 or 10/125 um
  - Multi-Mode: 62.5/125, 50/125 um
- Wavelength: 850nm, 1310nm, 1550nm

**Power**

- Power supply: External(5VDC), optional
- Consumption: 4W

**Environment**

- Operating temp: -10°C to 65°C
- Storage temperature: -20 to 70°C
- Operating humidity: 5% to 95%(no condensation)

**Appearance**

- Dimensions: 94.0×71.0×26.0mm(Power External)
- Shell: Iron
- Color: White
- Weight: 230g(power external)

**Warranty**: 5 years

**Approvals**: FCC, CE, RoHS approvals

**Packing List**

1. Model3011 series Ethernet Media Converter x 1
2. 5VDC power adapter x 1(Media converter/5VDC, power external)
3. User manual x 1

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**Quality Link Connections**

Datasheet | Ethernet Media Converters
Model 3011 | Gigabit SFP Media Converter W/O SFP
1000Base-Base SX : LC Duplex GBIC Module - Multimode 850nm 550Mt
1000Base-Base LX : LC Duplex GBIC Module - Singlemode 1310nm 20km
1000Base-Base ZX : LC Duplex GBIC Module - Singlemode 1550nm 80km
1000Base-BIDI35 : LC Single Fiber SFP TX 1310nm RX 1550nm SMF
1000Base-BIDI53 : LC Single Fiber SFP TX 1550nm RX 1310nm SMF 20KM