# Audio to fiber converter Terminal port

**The Audio to Fiber Converter uses advanced digital fiber transmission technology for real-time, distortion-free audio and data transmission. It supports single or multimode fiber with a range of up to 120KM. Features include uncompressed signal transfer, multiple interface options (FC/SC/ST), and compatibility with Ethernet, data, audio, and telephone signals. It's reliable, easy to install, and ideal for versatile applications with stable performance in various environments.**

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Audio to fiber converter Terminal port

## Variants

4CH Un-bidirectional   2CH bidirectional   4CH bidirectional   1CH Un-bidirectional
1CH bidirectional   2CH Un-bidirectional

## Details

**Audio to fiber converter**

The audio converter adopts the most advanced digital fiber transmission technology in the world to realize synchronous, distortion-free and high-quality transmission on single fiber.it adopts all-digital video uncompressed transmission technology, which can meet the needs of users. It is easy to install and does not need to be adjusted on site. Its optical modules and core circuits are imported components, with stable performance and suitable for different working environments. .

**?Features?**

? Independent structure, suitable for 2U rack

? Uncompressed, real-time signal transmission

? Gigabit optical fiber transmission, goodcapacity, easy to upgrade

? Advanced circuit design, full hardware solution to ensure the reliability, consistency and stability of the equipment

? Power and other parameter status indicators to monitor system

? Support single-mode or multi-mode optical fiber transmission (users need to confirm the type of transmission optical cable)

? Provide commonly used FC/SC/ST optical fiber interface

? The maximum transmission distance of single mode without repeater can reach 120KM

**?Parameters?**

| Items | | Description |
|---|---|---|
| Fuction | Signal type | data?ethernet?audio?telephone |

| channel | 1ch | |
|---|---|---|
| Fiber | Wavelength | 850nm,1310nm,1550nm? |
| | Output power | -9.5~-3dBm@850nm |
| | Sensitivity | -15dBm@850nm |
| | Fiber port | Single fiberFC/SC/ST |
| | Transmit distance | 1mrt?2000mrts dual mode<br><br>1mrt?10km single mode |
| Power | Power supply mode | Power supply |
| | Voltage | 5VDC |
| | Power Consumption | 10W |

| Ethernet | Ethernet port | RJ-45 10/100M |
| | | |
| | Standard | IEEE802.3 10Base-T Ethernet?IEEE802.3u 100Base-TX Fast Ethernet |
| | | |
| | | IEEE802.3ab 1000Base-TX Giga Ethernet? IEEE802.3z 1000Base-LX/SX Giga Ethernet |
| Data | specification | Data interface: industrial-grade terminal block (Pho terminal) |
| | | Interface signal?RS-232/422/485 |
| | | Rate??0?384Kbps |
| Audio | specification | Audio interface signal: unbalanced audio |
| | | Audio input/output impedance: 600? (unbalanced) |
| | | Maximum input/output voltage? 2VP-P |
| | | Frequency response?10~20kHz |

Total Harmonic Distortion ?0.05%

SNR?>95dB

Connector:terminal block

| Telephone | specification | Interface signal:point-to-point hotline, program-controlled switchboard/extension mode |
| | | Voice bandwidth?8KHz |
| | | Distortion?1% |
| | | SNR?>95dB |
| | | Port?RJ-11 or terminal block |
| Clousure | specification | Clousure interface signal: any passive alarm, switch |

Signal input/output: support TTL, passive switch, button signal output

Connector:Industrial-grade terminal block (Phoenix terminal)

| Working enviroment | Operation Temperature | 0?55? |
| | StorageTemperature | -20?70? |
| | Operation Humidity | 0?95% |
| Working time | MTBF | >30000hours |