Telephone Converter Converter 16CH

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Variants

SC-20km FC-20km

Details

Telephone Converter 16CH – Fiber Optical Voice Converter

The 8CH Telephone Converter is a high-performance optical media converter designed to transmit up to 16 **analog telephone channels** over a single fiber link. It supports long-distance communication up to **20 km** using single-mode fiber, making it ideal for telecom, enterprise, and campus networks.

Key Features

16 Voice Channels	Supports 16 independent analog telephone lines
Fiber Transmission	Single fiber link with SC / FC connector options
Distance	Up to 20 km over single-mode fiber
Voice Quality	PCM encoding ensures clear and stable audio
RJ11 Interface	Compatible with analog phones and PBX systems
Design	Robust and reliable for telecom applications

Technical Specifications

Category	Specification
Product Type	16CH Telephone Fiber Converter
Voice Channels	16 × RJ11 Analog Ports
Optical Interface	SC / FC (Optional)
Fiber Type	Single Mode Fiber (SMF)
Transmission Distance	Up to 20 km
Encoding	PCM (Pulse Code Modulation)
Interface Type	RJ11
Application	Voice over Fiber
Installation	Desktop / Rack-mounted

Typical Use Cases

- Extending telephone services between buildings
- PBX connectivity over fiber networks
- Enterprise and campus communication systems
- ISP and telecom voice integration
- Replacing long copper cable runs

Advantages of Fiber Voice Transmission

- No signal interference or noise
- Supports long-distance communication (up to 20 km)
- More stable than copper cable
- Ideal for FTTH / FTTx networks

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