

Telephone Converter Converter 8CH

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Variants

FC-20km SC-20km

Details

Telephone Converter 8CH – Fiber Optical Voice Converter

Overview

The **Telephone Converter 8CH** is a high-performance optical media converter designed to transmit up to **8 analog telephone (voice) channels** over a single fiber optic link. It supports long-distance communication up to **20 km over single-mode fiber**.

Available in **SC (20 km)** and **FC (20 km)** optical interface variants, this device is ideal for enterprise telecom, campus networking, and long-distance voice transmission.

Key Features

8 Voice Channels	Supports 8 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 stable and clear audio
RJ11 Interface	Compatible with analog phones and PBX systems
Design	Robust and reliable for telecom applications

Technical Specifications

Category	Specification
Product Type	8CH Telephone Fiber Converter

Category	Specification
Voice Channels	8 × RJ11 Analog Ports
Optical Interface	SC / FC (Optional)
Fiber Type	Single Mode (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 modern FTTH / FTTx networks