

## Lightem Telephone PABX fiber system 1-4Ch telephone fiber converter

Telephone fiber converter allows the extension of the existing telephony connection to a remote location over fiber optics. This is particular important to business or industrial applications where multiple telephones are required to operate in a PABX network.



### FEATURES

- Available as Stand-alone or Card type
- Compatible with all sorts of telephone format, interface RJ11 type
- 1 ~ 4 voice access, support the caller display and reverse polarity billing function
- Voice support O and S interface, O and pabx docking, S and user's telephone connected
- Support FXO/FXS normal telephone, 2/4W audio, magnet telephone etc
- Support video intact regenerative relay, the transmission can be above 200km
- LED indication of power and other parameter status, monitoring real-time operation
- Modularized and industrialized design ensuring reliability and flexibility

### SPECIFICATIONS

Optical	
Wavelength	Distance
Multimode 850/1310nm	0-2km
Singlemode 1310nm	0-20km
Singlemode 1550nm	0-60km
Tx power :Multimode 850/1310nm	-16~-19.5dBm
Singlemode 1310nm	-7~-12dBm
Singlemode 1550nm	-6~-2dBm
Telephone/Audio	
Audio bandwidth	8kHz
Coding scheme	PCM (Pulse Code Modulation)
Protocol	PBX, PSTN
Network Design	Phone to point or Phone to switch
FXS ring voltage	75V
Ring frequency	25Hz
FXO 2 line input impedance	600Ω
Return loss	40dB
Ring detection voltage	35V
Ring detection frequency	17-60Hz
General data	
Work temperature	0~+50°C
Non-condensing Store Temperature	-20~+65°C
Operation Relative Humidity	0~90%
Store Relative Humidity	0~95% non condensing
Dimension	LB1T / LB4T series - 210mm x 210mm x 25mm
Power supply	5VDC, 0.8A Input 110-220V AC 50Hz

## ORDERING INFORMATION

PN:	
4 Ch Telephone fiber converter	
LB1Tzzz-p	1Ch Telephone
LB4Tzzz-p	4Ch Telephone
zzz	
M01, S20	Multimode-1km, Singlemode 1310-20km
P	
-S-T, -S-R, -R-T, -R-R	S-Standalone, R-Rackmount, T-Transmitter, R-Receiver
19" Rackmount chassis	
LR4U-V	19" 4U Chassis with redundant power supplies, support max 15x 1-4Ch telephone fiber cards