

## AN-FM-PCM30



### Overview

AN-FM-PCM30 fiber mux is an optical transmission equipment realizing long-distance voice transmission through fiber. Primary interfaces are FXS/FXO but additional E1, Ethernet or E1 can be added upon request. This equipment uses design of ultra large scale integrated circuit, and its outward appearance is succinct. The merits include easy installation and debugging, unnecessary for maintenance and steady performance. It is suitable in business for communication operator, government and kinds of entities.

AN-FM-PCM30 fiber mux can provide 1-8 channels, 1-16 channels, 1-24 channels, or 1-30 channels telephone through optical cable, the network application is point-to-point, supporting FXO/FXS. It has solved telephone transmission problem of edge customers. This equipment uses special digital multiple-connected chip whose function is formidable, and it integrates nearly all the digital logical function of equipment, thus remarkably enhancing product performance and reducing cost.

### Functions

- Low cost solution for delivering analogue POTS lines over long distance fibers;
- up to 30 FXO ports for connection to PABX or PSTN;
- up to 30 FXS ports for connection of phones or faxes;
- Ethernet port for LAN interconnection;
- RS-232 for data transmission
- Up to 4E1 ports as an option for PABX interconnection or any other E1 Leased lines services
- MTBF more than 10 years
- WDM Bidi fiber interfaces available

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## Specifications

### FXS

ringing voltage: 75V  
ringing frequency: 25HZ

### FXO

two line input impedance: 600 Omega (hanging off)  
wastage: 40 db  
ringing detecting voltage: 35V

### Optical Interface Parameter

optical wavelength: 850nm/1310nm for multi-mode optical interface, 1310nm/1550nm for single-mode optical interface  
optical interface: SC/FC  
receiving and dispatching module: >-6dBm  
optical receiver receiving sensitivity <-36 (BER<10):  
dynamic receiving range: >-30dB  
transmitting range: Multi-mode 2 Km, single-mode 40Km,  
single-mode 60 Km, single-mode 120Km, WDM bidi available  
vibration characteristic: Comforms G.742 and G.832 standard

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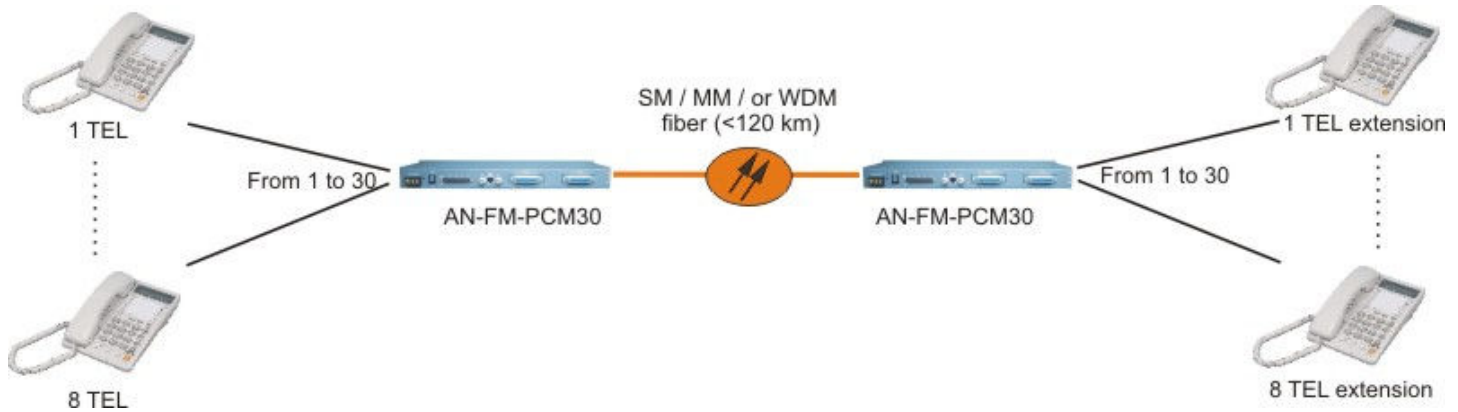




**Applications**



Scenario Nr1: Full connection scenario, where all possible connections are used - 30 FXS/FXO, RS-232, Ethernet and 4E1



Scenario Nr.2: 1 - 30 FXS to 1 - 30 FXS configuration, clear channel

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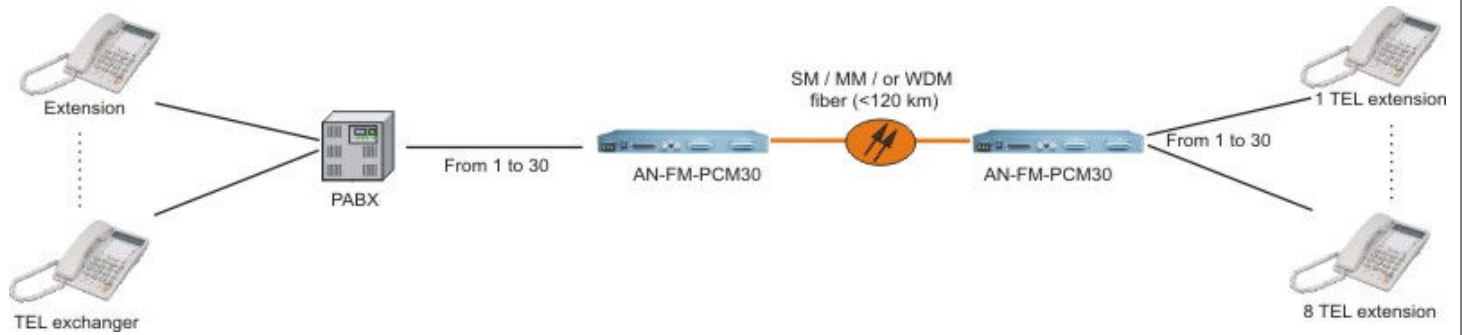
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### Applications



Scenarion Nr.3: 1 - 30 FXS -----> 1 - 30 FXO, for remote extensions from PABX