



## Analog (POTS) Telephone Line Extender System

**86C  
SERIES  
MULTIMODE**

### Features:

- ◆ Standard POTS Telephone Interface
- ◆ One Multimode Fiber
- ◆ Diagnostics: Power and Optical Presence
- ◆ Voice and FAX
- ◆ Economical
- ◆ Includes: Contact from Handset to Line
- ◆ Compatible with Forward Disconnect
- ◆ Interfaces to:
  - VPP (2100)
  - Talk-A-Phone (ETP-401C)
  - Code Blue (IA4100)
  - Viking (W1000)
  - Door King (1802)
  - Gai-tronics (294 Series)
  - Select Gate (SG1, SG2)
  - All Standard POTS Systems

### SPECIFICATIONS:

#### Audio:

I/O Level..... 0 dBm  
I/O Impedance..... 600 Ohms  
Audio Bandwidth ..... 4 KHz  
SNR..... 60 dB  
Connector..... RJ11

#### Optical:

Wavelength..... 850/1300nm  
Loss Budget (62.5/125µ)..... 12dB  
Connector..... ST

#### Temperature (Operating):

-40°C to +75°C, non-condensing

#### Power Supply:

Module Transmitter – 24VDC @800mA  
(See AFI Part # PS-24DC)  
Module Receiver – 12VAC @500mA  
(See AFI Part # PS-12AC)

#### Size:

Rack Card Requires one rack slot  
Module: 6½" X 1" X 5"

#### Ordering information:

MR-86C = Module Phone Line Interface  
RR-86C = Rackcard Phone Line Interface  
MT-86C = Module Handset Device Interface  
RT-86C = Rackcard Handset Device Interface

#### Example:

MT-86C to RR-86C

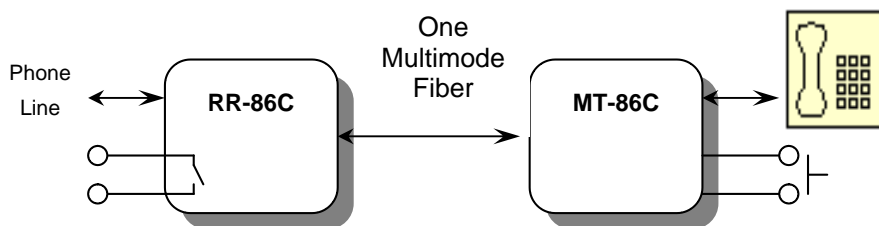


The American Fibertek 86C Series transmits and receives standard analog telephone signals on one multimode optical fiber using AM/FDM transmission. This system is designed to be completely transparent to all telephony signals including ring, off-hook, hook-switch flash and forward disconnect. Products require no field adjustments at installation or additional maintenance thereafter. Diagnostic Indicators provide a quick visual indication of system status. The 86C Series are ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cage: SR-20/2.

The MT and RT supports up to 1000 feet of 24 AWG wire from the fiber optic unit to the telephone handset.

Other 86 series product configurations include 2 fiber units at 850 or 1300nm and an MX or RX series "talk down" (order wire) phone system. Contact the factory for details.

Please consult the factory for other requirements.



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