



**86C
SERIES
MULTIMODE**

Analog (POTS) Telephone Line Extender System

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

4/28/11 JPK



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.

