

FOM II Series - F272x 4-Wire TeleData Fiber Optic Modem

Product Features

- Extend one analog telephone line
- Extend one RS-482 or RS-422 data line
- Analog audio signal 300Hz to 3.4KHz
- RS-485 or RS-422 up to 115 Kbps
- Transmit up to 14 km
- LED Indicators for Instant System Monitoring
- Three available Housing Options
- Standalone or Rack Mount



Product Description

VERSITRON FOM II Series Model F272x Group 4-Wire TeleData Fiber Optic Modems are 4-wire single line teledata modems providing one telephone and one data interface. The F272x can be used to provide an intercom link, PA system, or other 4-wire analog service. It can also be used for single channel RS-485/422 data transmission. The F272x modems can be used to multiplex analog and digital signals to extend a telephone and/or data (RS-485 or RS-422) link over duplex fiber optic cable. ST connectors are standard for the fiber optic interface. Several different configurations are offered to accommodate a wide variety of fiber optic needs.

VERSITRON FOM II Series TeleData Modems digitizing process allows for fully transparent fiber optic isolation of the audio path. This digitizing process also provides reliable optical isolation for use with STU IIIs up to 9600 baud data transmission. The F272x includes the following LED indicator lights: (PWR) - Indicates voltage is present at the power interface connector. (ALM) - Indicates a loss of traffic, an alarm condition.

Product Models

Model	Function	Data Rate	Connector	Fiber Cable	Wavelength	Max Distance
F2722	4-Wire TeleData Fiber Optic Modem	Up to 115 Kbps	ST	MM	850nm	2 km
F2724	4-Wire TeleData Fiber Optic Modem	Up to 115 Kbps	ST	MM	1310nm	6 km
F2725	4-Wire TeleData Fiber Optic Modem	Up to 115 Kbps	ST	SM	1310nm	14 km

FOM II Series - F272x

4-Wire TeleData Fiber Optic Modem

General Specifications:

Dimensions	7 x 1 x 11in / 17.8 x 2.1 x 27.9cm (HxWxL)
Weight	0.34 kg (12 oz)
Operating Temperature	0° to 50°C (32° to 122°F)
Storage Temperature	-40° to 70°C (-40° to 158°F)
Humidity	Up to 95% relative humidity (non-condensing)
Altitude	Up to 10,000 ft

Electrical Interface:

Power Requirements	12VDC, 1.0Amp
Copper Interface Connector	DB9
Audio Signal	300Hz to 3.4KHz
Data Signal	RS-485 or RS-422 up to 115 Kbps asynchronous
Idle Channel Noise	-55dBm
In-Band Spurious	-40dBm
Out-Band Spurious	-30dBm
Talk Battery	45 to 50VDC
Loop Current	20mA max. (off hook)
Line Impedance	600Ω

Accessories:

Model	Description
HF-1	Single Card Enclosure
HF-2SS	2-Slot 19" Rack-Mount Chassis
HF-20A	20-Slot 19" Rack-Mount Chassis
AC300W	Power Supply / System Monitor for HF-20A Chassis
AC300WR	Redundant Power Supply / System Monitor for HF-20A Chassis
PSAC08	110VAC to 12VDC Power Adapter
PSAC09	220VAC to 12VDC Power Adapter
ADPHF01	Single-Slot Blank Panel for HF-2SS or HF-20A Chassis
ADPHF02	Double-Slot Blank Panel for HF-20A Chassis

