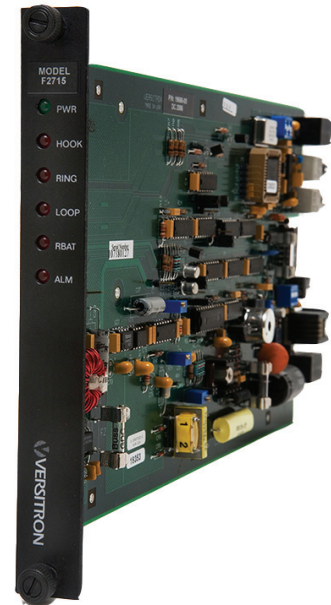


FOM II Series - F270x / F271x

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 64 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 TeleData Modems are used to extend a telephone and/or data (RS-485 or RS-422) link on duplex fiber optic cable or 4-wire twisted pair cable. The F270x functions as the exchange side modem while the F271x functions as the subscriber side modem. For intercom or ring-down applications, the F271x is used at each end of the connection. An RJ11 provides the copper interface for the telephone and/or data input. 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 a fully transparent fiber optic link. This digitizing process also provides reliable optical isolation for use with STU IIIs up to 9600 baud data transmission. LED indicator lights are used as status indicators on F270x and F271x modems primarily for the telephone link status. Their functions are: (PWR) - Power on for normal operation; (HOOK) - Off-hook; (RING) – Ringing signal; (LOOP) – Loop current detect; (RBAT) – Reverse battery detect; (ALM) – Out of sync.

Product Models

Model	Function	Data Rate	Connector	Fiber Cable	Wavelength	Max Distance
F2702	Exchange Fiber Optic Modem	Up to 64 Kbps	ST	MM	850nm	2 km
F2704	Exchange Fiber Optic Modem	Up to 64 Kbps	ST	MM	1310nm	8 km
F2705	Exchange Fiber Optic Modem	Up to 64 Kbps	ST	SM	1310nm	14 km
F2712	Subscriber Fiber Optic Modem	Up to 64 Kbps	ST	MM	850nm	2 km
F2714	Subscriber Fiber Optic Modem	Up to 64 Kbps	ST	MM	1310nm	8 km
F2715	Subscriber Fiber Optic Modem	Up to 64 Kbps	ST	SM	1310nm	14km

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General Specifications:

Dimensions	7 x 0.9 x 11.7in / 17.8 x 2.3 x 29.7cm (HxWxL)
Weight	0.28 kg (10 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
Connector (Tip & Ring)	RJ11, 2-Wire Twisted Pair
Copper Interface Connector	RJ-11, 4-Wire Twisted Pair
Data Transmission Connector	RJ45, Cat5 UTP
Audio Signal	Analog, 300Hz to 3.4KHz
Data Signal	RS-485 or RS-422 up to 64Kbps
Idle Channel Noise	-55dBm
In-Band Spurious	-40dBm
Out-Band Spurious	-30dBm
Talk Battery	45 to 55VDC
Loop Current	20mA max. (off hook)
Ring Signal	80-150VAC, 15 to 98Hz
Line Impedance	600Ω or 900Ω

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

