

Model 2769

Daisy-chain Data

RS-232 or RS-422 transceiver

- Provides support for RS-232 or RS-422 communications in a linear bus topology.
- Capable of full-duplex data transmission at data rates from DC to 56.6 kBaud.
- Rugged enclosure offers maximum protection and backup power source offers continued operation for up to 24 hours after a power failure.
- Meets NEMA TS1/TS2 requirements for vibration, shock temperature, and humidity to withstand wide environmental conditions.



Model 2769 Transceiver

The Force, Incorporated Model 2769 RS-232 or RS-422 Fiber Optic Daisy-chain Transceiver increases the transmission range (compared to copper) of RS-232 or RS-422 data signals in a linear bus topology. Each unit is a complete daisy-chain transceiver capable of full-duplex data transmission. Operating over an optical loss range of 21 dB, the link is DC coupled and will handle bursty data or long periods of time between data bits. A backup power source, NiCd batteries, allow continuous operation for up to 24 hours after a loss of primary, +12 Volt DC power to the unit. Single-mode 1310 nm optics and ST™ optical connectors ensure reliable performance. The unit is available in a 4RU rack-mount configuration in addition to the rugged stand-alone module. These units are ideal for polled security systems, computer LAN, process control, and I.T.S. applications.

Available through **Multicom, Inc.**

Ph: 407-331-7779 Toll Free: 800-423-2594 Fax: 407-339-0204 www.multicominc.com multicom@multicominc.com

Optical and Power Characteristics*

	Min	Typ	Max	Units
Optical Loss Range	0		21	dB
Operating Wavelength		1310		nm
Optical Output Power	-14			dBm
Optical Sensitivity	-35			dBm
Required Fiber Bandwidth	100			MHz
RS-232 or RS-422 Data Rate	DC		56,600	Baud
Power Supply Voltage	+12	+15	+18	Volts DC
Power Supply Current		120		mA
Backup Power Supply Voltage		3.6		Volts DC
Backup Power Supply Current			60	mA

Environmental and Physical Characteristics*

	Min	Typ	Max	Units
Operating Temp. Range	-35		+75	°C
Storage Temp. Range	-30		-35	°C
Humidity	0		98	%
Weight		23		oz.
		652		g
Dimensions	5.90 x 5.75 x 1.12			in.
	149.9 x 146.1 x 28.5			mm



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Ordering Information

2769XC-SCST	Transceiver, RS-232, Middle Unit, Single-mode, 1310 nm, ST™ Optical Connector
2769XF-SCST	Transceiver, RS-422, Middle Unit, Single-mode, 1310 nm, ST™ Optical Connector
PS170-1	Power Supply, +12 Volts, 400 mA DC Power Supply, 2-Pin Weidmuller Plug
2585CA-NN	4RU Rack Chassis, Universal AC Power Supply
2586A-NN-5	4RU Rack Adapter Card, 1 Unit Per Card

*See IOM2769 for complete specifications.
Contact an Applications Engineer or visit our website for complete specifications on rack-mounting and power supply options.

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