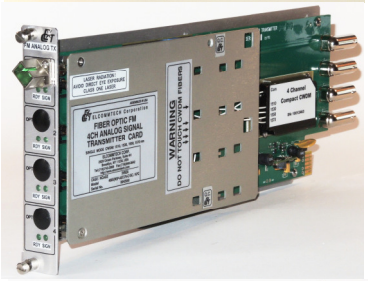
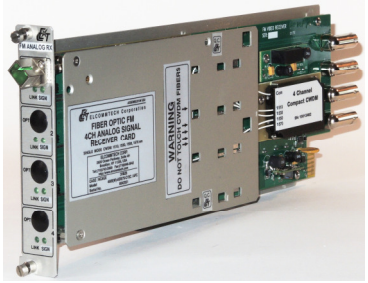
ECT400-AS FOUR CHANNEL ANALOG SIGNAL FM OPTICAL LINK





Analog Signal
4 →

The ECT400-AS FM system provides high performance link for unidirectional transmission of various analog signals over four, two or one a fiber optic cable.
The ECT400-AS FM transmitter/receiver is fully compatible with ECT100-AS & ECT200-AS type systems allowing for mixed configurations when required.
The ECT400-AS utilizes wideband linear frequency modulation/demodulation and very low noise transmission technology to assure high quality and stability.

FEATURES

- Wideband FM Transmitting/Receiving Technology
- Universal Balanced/Unbalanced Input for Transmitter
- Supports Transmission of Various Analog Signals such as: Video HDTV Tri-Level Sync, T1/E1, RF/IF, Timing, Telemetry Signals and more
- Multimode and Single Mode Versions
- Four, Two and One Fiber Configurations
- High Accuracy In/Out Signal Transmission with No Adjustments
- Signal Status Indicators

Operating Wavelength	850 nm	1300 nm	1310/1550 nm
Optical Core Diameter	**50µ/62.5µ**		**8/10µ**
Optical Power Source	VCSEL	LED	Laser
Optical Power Output*	-3 dBm	-14 dBm	-3 dBm
Receiver Sensitivity:			
Standard version	-28 dBm	-32 dBm	-34 dBm
Standard version**	-27 dBm	-31 dBm	-33 dBm
Optical Connectors	SC, ST		FC, SC, ST

** with +/- 1 dBm variation; higher power laser sources are available per special request;*
*** for two fiber configurations.*

Signal Bandwidth @ 2dB	10 Hz - 26 MHz
Input Impedance (TX)	50, 75, 100 Ohm, Custom universal: balanced or unbalanced; up to 1 MOhm – unbalanced
Output Load Impedance (RX)	50, 75, 100 Ohm, Custom
Input/Output Signal Level:	
Option 1	0 to +/- 2 V @ 50 Ohm
Option 2	0 to +/- 2.5 V @ 75, 100 Ohm, Custom
Signal Transfer Accuracy	< 5%
Signal-to-Noise Ratio*	64 dB
Input/Output Connector	BNC
Power Requirements:	
Transmitter Card/Module	11 - 15 VDC @ 0.3 A
Receiver Card/Module	11 - 15 VDC @ 0.5 A
Operating Temperature	-20°C to +60°C (-4°F to +140°F)
Dimensions:	11.6''(295 mm) x 5.2''(132 mm) x 1.05''(27 mm)

** measured with 100m for multimode and 1km for single mode optical cable.*

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ORDERING INFORMATION

400**E**-AST/**I** -M**YZ** – transmitter module
400**E**-ASR/**I**-M**YZ** – receiver module

400**E**-AST/**I** -C**YZ** – transmitter card*
400**E**-ASR/**I** -C**YZ** – receiver card*

E = **M** for multimode 850 nm
= **M(13)** for multimode 1300 nm
= **M(8.5/13)** for multimode 850/1300 nm with WDM
= **S** for single mode receiver or 1310 nm transmitter
= **SP** for single mode high power (=/> 0 dBm) 1310 nm transmitter
= **S(15)** for single mode 1550 nm transmitter
= **S(13/15)** for single mode 1310/1550 nm with WDM
= **S(15)P** for single mode high power (=/> 0 dBm) 1550 nm transmitter

I = **50, 75, 100 Ohm, Custom** for input/output impedance

Y = **4, 2**** for number of fiber

Z = **FC, SC, ST** for optical connectors

**compatible with USR type chassis;*
***configuration with WDM optical setup.*

Note: The specifications are subject to change without notice.

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