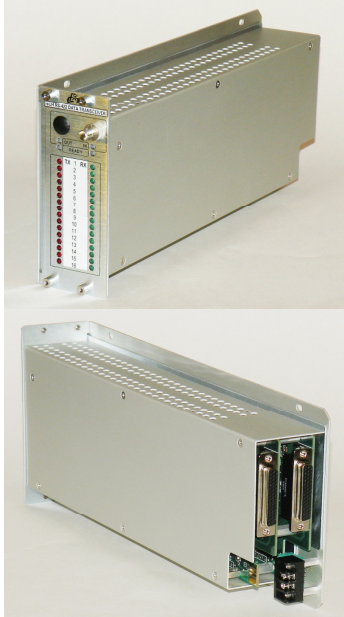


ECT4032 32 CHANNEL UNIVERSAL DATA DIGITAL OPTICAL LINK



Data
32
→

The ECT4032 system provides high performance link for unidirectional (simplex) transmitting up to thirty two data signals over a single fiber optic cable. The system features quality transmission of data signals with data rates DC – 8 Mb/sec. The ECT4032 system utilizes high speed Digital Signal Processing, Time Division Multiplexing and Fibre Optic Transmission at a serial data rate of up to 1.4 Gbit/sec.

FEATURES

- ❑ High Speed Digital Transmission
- ❑ Up to 32 of Unidirectional or Up to 16 Bi-directional of TTL, RS-232, RS-422, Contact Closure Data Channels
- ❑ Wide Data Rate Range, DC – 8 Mb/sec
- ❑ Multimode and Single Mode Versions
- ❑ Isolates EMI, RFI, Ground Loops
- ❑ Surface Mount Technology
- ❑ Power and Signal Status Indicators

Operating Wavelength	850 nm or 850 & 1310 nm	1310 or 1310 & 1550 nm
Optical Core Diameter	50µ or 62.5µ	8/10µ
Optical Power Source	VCSEL	Laser
Optical Power Output*	-3 dBm	-3 dBm
Receiver Sensitivity:		
Data Rates 1.6 Mb/sec	-30 dBm	-33 dBm
Data Rates 8 Mb/sec	-21 dBm	-24 dBm
Optical Connectors	SC, ST	FC, SC, ST

*per wavelength with +/- 0.5 dBm variation.

Channel Capacity	Up to 16 of TTL, RS-232, RS-422, Contact Closure
Data Rate	DC – 1.6, 8 Mb/sec
Data (TTL, RS) Input Impedance	10K for TTL, 5K for RS-232, 120 Ohm for RS-422
Contact Closure Input Signal	Dry contact / TTL / CMOS
Contact Closure Output Signal	Dry contact @ load 24VAC or 30VDC/1A max
Power Requirements	11 - 15 VDC @ 700 mA
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Dimensions:	
module (w/o connectors)	11.6"(295 mm) x 5.2"(132 mm) x 2.0"(51 mm)
module (with connectors)	12.5"(318 mm) x 5.2"(132 mm) x 2.0"(51 mm)



ORDERING INFORMATION

4032M-DHTN-X2Z - 32 Ch. data transmitter, multimode 850 nm, 2 fiber
4032M-DHTN-X1Z - 32 Ch. data transmitter, multimode 850 & 1310 nm, 1 fiber
4032M-DHRN-X2Z - 32 Ch. data receiver, multimode 850 nm, 2 fiber
4032M-DHRN-X1Z - 32 Ch. data receiver, multimode 850 & 1310 nm, 1 fiber

4032S-DHTN-X2Z - 32 Ch. data transmitter, single mode 1310 nm, 2 fiber
4032S(15)-DHTN-X2Z - 32 Ch. data transmitter, single mode 1550 nm/DFB, 2 fiber
4032S-DHTN-X1Z - 32 Ch. data transmitter, single mode 1310 & 1550, 1 fiber
4032S-DHRN-X2Z - 32 Ch. data receiver, single mode 1200 - 1620 nm, 2 fiber
4032S-DHRN-X1Z - 32 Ch. data receiver, single mode 1310 & 1550 nm, 1 fiber

H = 8 for maximum data rate in Mb/sec
N = 1 for TTL data format
= 3 for RS-232 data format
= 4 for RS-422 data format
= 9 for contact closure

X = **M** for standalone module
= **C** for rack card*

Z = **FC**, **SC** or **ST** for optical connector

**compatible with USR series chassis.*

