

ECT4032 32 CHANNEL DIGITAL UNIVERSAL DATA LINK



ECT4032 system provides high performance link for 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 – 7 Mb/sec.

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 TTL, RS-232, RS-422, Contact Closure Simplex Data Channels
- ❑ Wide Data Rate Range, DC – 7 Mb/sec
- ❑ Multimode and Single Mode Versions
- ❑ Isolates EMI, RFI, Ground Loops
- ❑ Surface Mount Technology
- ❑ Power and Signal Status Indicators

Operating Wavelength	850/1310 nm	1310/1550 nm
Optical Core Diameter	50µ/62.5µ	8/10µ
Optical Power Source	Laser	Laser
Optical Power Output*	-3 dBm	-3 dBm
Receiver Sensitivity for data rates up to 1.6 Mb/sec	-31 dBm	-34 dBm
Receiver Sensitivity for data rates up to 7 Mb/sec	-22 dBm	-25 dBm
Optical Connectors	ST, SC	FC, ST, SC

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

ORDERING INFORMATION

4032E(F)-GH-N-XYZ

E(F) = **M(8.5/13)** for multimode 850 & 1300nm/1fiber
 = **S(13/15)** for single mode 1310 & 1550nm/1 fiber
G = **DT** for transmitter,
 = **DR** for receiver,
H = **1.6, 7** 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**
Y = **1, 2** for number of fibers
Z = **FC, ST or SC** for optical connector

**specified by customer;*

***compatible with USR series chassis.*

Channel Capacity	Up to 16 of TTL, RS-232, RS-422, Contact Closure
Data Rate	DC – 1.6, 7 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 120VAC/24W or 30VDC/1A max
Power Requirements	12 VDC @ 600 mA
Operating Temperature	-30°C to +70°C (-22°F to +158°F)
Dimensions:	
module (w/o connectors)	11.6"(295mm) x 5.2"(133mm) x 2.0"(51mm)
module (with connectors)	12.5"(318mm) x 5.2"(133mm) x 2.0"(51mm)

