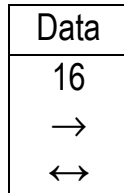


ECT4016 16 CHANNEL UNIVERSAL DATA DIGITAL OPTICAL LINK



ECT4016 system provides high performance link for unidirectional (simplex) and bi-directional (duplex) transmitting up to sixteen data signals over a fiber optic cable.

The system features quality transmission of data signals with data rates DC – 8 Mb/sec.

ECT4016 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
- ❑ Unidirectional & Bi-directional Communication
- ❑ Up to 16 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	1310 or 1550 nm
Optical Core Diameter	50µ/62.5µ	8/10µ
Optical Power Source	VCSEL	Laser
Optical Power Output*	-3 dBm	-3 dBm
Receiver Sensitivity for data rates up to 1.6 Mb/sec	-30 dBm	-33 dBm
Receiver Sensitivity for data rates up to 8 Mb/sec	-21 dBm	-24 dBm
Optical Connectors	SC, ST	FC, SC, ST

*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 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 @ 350 mA
Operating Temperature	-20°C to +60°C (-4°F to +60°F)
Dimensions:	
DT, DR module (w/o connectors)	11.6"(295 mm) x 5.2"(133 mm) x 1.0"(25.4 mm)
DT, DR module (with connectors)	12.5"(318 mm) x 5.2"(133 mm) x 1.0"(25.4 mm)



ORDERING INFORMATION

4016M-DHTN-X1Z - 16 Ch. data, multimode 850 nm, transmitter
4016M-DHRN-X1Z - 16 Ch. data, multimode 850 nm, receiver
4016S-DHTN-X1Z - 16 Ch. data, single mode 1310 nm, transmitter
4016S(15)-DHTN-X1Z - 16 Ch. data, single mode 1550 nm-DFB, transmitter
4016S-DHRN-X1Z - 16 Ch. data, single mode 1200 - 1620 nm, receiver

4016M-DHTN-X2Z - 16 Ch. data, multimode 850 nm, transceiver, 2 fiber
4016S-DHTN-X2Z - 16 Ch. data, single mode 1310 nm/TX, transceiver, 2 fiber
4016S(15)-DHTN-X2Z - 16 Ch. data single mode 1550 nm-DFB/TX transceiver, 2 fiber
4016S-DHTN-X1Z - 16 Ch. data, single mode 1310 nm/TX & 1550 nm/RX, transceiver, 1 fiber
4016S(15)-DHTN-X1Z - 16 Ch. data, single mode 1550 nm-DFB/TX & 1310 nm/RX, transceiver, 1 fiber

H = **8** for maximum data rate 8 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;*

