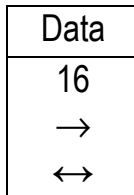


# ECT4000 SERIES

## ECT4016-L 16 CHANNEL UNIVERSAL DATA DIGITAL OPTICAL LINK WITH UP TO 130 km/80 mi RANGE



ECT4016-L 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-L 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
- ❑ Operating Range Up to 130 km / 80 miles
- ❑ Isolates EMI, RFI, Ground Loops
- ❑ Surface Mount Technology
- ❑ Power and Signal Status Indicators

<b>Operating Wavelength</b>	1550 nm or 1530/1570 nm
<b>Optical Core Diameter</b>	<b>8/10μ</b>
<b>Optical Power Source</b>	DFB Laser
<b>Optical Power Output*</b>	0 (+/- 0.5) dBm
<b>Receiver Sensitivity for data rates up to 1.6 Mb/sec</b>	-42 dBm
<b>Receiver Sensitivity for data rates up to 8 Mb/sec</b>	-32 dBm
<b>Optical Connectors</b>	FC, SC, ST

<b>Channel Capacity</b>	Up to 16 of TTL, RS-232, RS-422, Contact Closure
<b>Data Rate</b>	DC – 1.6, 8 Mb/sec
<b>Data Input Impedance</b>	10K for TTL, 5K for RS-232, 120 Ohm for RS-422
<b>Contact Closure Input Signal</b>	Dry contact / TTL / CMOS
<b>Contact Closure Output Signal</b>	Dry contact @ load 24VAC or 30VDC/1A max
<b>Power Requirements</b>	11 - 15 VDC @ 350 mA
<b>Operating Temperature</b>	-30°C to +70°C (-22°F to +158°F)
<b>Dimensions:</b>	
<b>DT, DR module (w/o connectors)</b>	11.6"(295 mm) x 5.2"(133 mm) x 1.0"(25.4 mm)
<b>DT, DR module (with connectors)</b>	12.5"(318 mm) x 5.2"(133 mm) x 1.0"(25.4 mm)



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## ORDERING INFORMATION

4016S(15)-DHTN-X1Z-L - 16 Ch. data, single mode 1550 nm-DFB, transmitter, 1 fiber  
4016S-DHRN-X1Z-L - 16 Ch. data , single mode 1200 – 1620 nm, receiver, 1 fiber

4016S(15)-DHTN-X2Z-L - 16 Ch. data, single mode 1550 nm-DFB/TX, transceiver, 2 fiber  
4016S(15.3)-DHTN-X2Z-L - 16 Ch. data, single mode 1530 nm/TX & 1570 nm/RX, transceiver, 1 fiber  
4016S(15.7)-DHTN-X2Z-L - 16 Ch. data, single mode 1570 nm/TX & 1530 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;*

