

ECT010(1-4)

ONE / FOUR CHANNEL TTL/CMOS DATA OPTICAL LINK



Data
1 / 4
→

ECT010 system provides one or four channel high performance unidirectional link for transmitting TTL/CMOS data signals over a fiber optic cable. The system features quality transmission of data signals with data rates DC – 26 Mb/sec.

ECT010 utilizes high-speed frequency modulation and very low noise transmission technology to assure high accuracy and stability.

FEATURES

- ❑ High Speed Data Transmission, DC - 26 Mb/sec
- ❑ Multimode and Singlemode Versions
- ❑ Isolates EMI, RFI, Ground Loops
- ❑ Surface Mount Technology
- ❑ Power and Signal Status Indicators

Operating Wavelength	850 nm	1300 nm	1310/1550nm
Optical Core Diameter	50µ/62.5µ		8/10µ
Optical Power Source	VCSEL	LED	Laser
Optical Power Output*	-3 dBm	-14 dBm	-4 dBm
Receiver Sensitivity	-30 dBm	-34 dBm	-36 dBm
Optical Connectors	ST, SC		ST, SC, FC

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

Channel Capacity	1Ch. - for standalone module 4Ch. - for rack card or standalone card-module
Data Interface	TTL/CMOS
Data Rate	DC – 26 Mb/sec
Data Input Impedance	22 kOhm unbalanced
Data Connector	Terminal Block
Power Requirements:	
1Ch. Module	11 - 14 VDC @ 200 mA 21 - 27 VAC @ 150 mA
4Ch. Card / Module	11 - 14 VDC @ 400 mA
Operating Temperature	-20°C to +70°C (-4°F to +158°F)
Dimensions:	
1Ch. Module	4.17"(106mm) x 3.65"(93mm) x 1.1"(28mm)
4Ch. Card / Module (w/o connectors)	11.6"(270mm) x 5.2"(132mm) x 1.05"(27mm)
4Ch. Card / Module (with connectors)	12.5"(318mm) x 5.2"(133mm) x 1.05"(27mm)



ORDERING INFORMATION

010E-DT-MYZ - Data Transmitter 1Ch. Module
010E-DR-MYZ - Data Receiver 1Ch. Module
010E-4/DT-MYZ - Data Transmitter 4Ch. Module
010E-4/DR-MYZ - Data Receiver 4Ch. Module
010E-4/DT-CYZ - Data Transmitter 4Ch. Card*
010E-4/DR-CYZ - Data Receiver 4Ch. Card*

E = **M** for multimode 850 nm
= **M(13)** for multimode 1300 nm
= **S** for single mode receiver or 1310 nm transmitter
= **SP** for single mode high power (≥ 0 dBm) 1310 nm transmitter
= **SPD** for single mode high power (≥ 0 dBm) 1310 nm / DFB transmitter
= **S(15)** for single mode 1550 nm transmitter
= **S(15)P** for single mode high power (≥ 0 dBm) 1550 nm transmitter
= **S(15)D** for single mode 1550 nm / DFB transmitter
= **S(15)PD** for high power (≥ 0 dBm) 1550 nm / DFB transmitter
= **S(W)** for single mode CWDM / DFB transmitter
= **S(W)P** for high power (≥ 0 dBm) CWDM / DFB transmitter

CWDM wavelength (**W**): **14.7**(1470 nm), **14.9**(1490 nm), **15.1**(1510 nm), **15.3**(1530 nm),
15.5(1550 nm), **15.7**(1570nm), **15.9**(1590 nm), **16.1**(1610 nm).

Y = **1** number of fibers for standalone module
= **1**(with 4ch. CWDM), **2**(with 2 x 2ch. WDM), **4** number of fibers for 4 channel module or rack card
Z = **ST**, **SC**, **FC** for optical connectors

**compatible with USR type chassis.*

Note: The specifications are subject to change without notice.



Elcommtech Corp. 2620 Ocean Parkway, Suite 4H, Brooklyn, NY 11235
Tel (718) 743-2869 • Fax (718)648-3642 • E-mail sales@elcommtech.com
<http://www.elcommtech.com>