



## ECX-7700-XEN

### 4-Channel CX4 Xenpak Copper Transceiver

The Emcore ECX7700 Series Copper transceiver provides cost effective and reliable bandwidth transport of up to 12.5 Gigabits over distances of up to 15 meters. The x4 architecture, 4 full-duplex, 3.125 Gigabaud transmit and receive channels over a single parallel copper cable that is transparent to the user. It not only offers the ability to scale net bandwidth in 10 Gigabit increments, it also mates directly with the industry standard MDI electrical socket.

#### Applications

- Telecommunications
- Data Communications
- 10 Gigabit Ethernet 4 x 3.125G VSR
- Low-cost parallel connections
- 10 Gigabit Fibre Channel 4 x 3.1875G\*
- 10 Gigabit Infiniband 4 x 2.5G\*
- In-System Interconnect for Scalable Systems, including Carrier Class Switches, Routers, and Transmission Equipment
- High Bandwidth Backplane Extension

The ECX-7700 Series Copper transceiver has built in media detect circuitry that supports Emcore QTR3400 Media converter. The combination extends the maximum link distance up to 300 meters over a laser grade parallel optical fiber ribbon.

The ECX-7700 Series is ideal for telecom central office and enterprise data center applications. Whether extending bandwidth in-system or inter-connecting between systems, the ECX-7700 Series transceiver offers an attractive combination of high performance and low cost in an industry standard form factor.

#### Key Features

- MSA compliant Xenpak form factor
- 4 Channel Full-Duplex copper Cable
- Symbol Rates to 12.5 Gigabaud
- Up to 15m Links with CX4 standard copper cable
- Completely compatible with Industry standard MDI socket for CX4, Infiniband, and Fibre Channel\*
- Low Power, 1.6 Watts Typical
- Hot-Pluggable Electronics
- 0 to 70°C Case Temperature Operating Range
- +3.3 V and 1.5V APS Power Supply supplied through Xaui connector
- Differential PECL, CML and LVDS Compatible I/O
- Compliant with IEEE 10G-Base CX4

\* Please contact Emcore for custom options at datarates different from 3.125Gb/s

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