
Summary

The **XRM-ETH** is an I/O Module which provides a 10/100 Ethernet, an RS232 port and general purpose I/O. The XRM provides 18 pairs of differential-capable I/O plus 2 single-ended signals on a 38-pin Mictor connector. The differential pairs are routed to the **XRM-ETH** with 100 Ohm impedance and not terminated to enable direct routing to the FPGA.

There are 2 transmit and 2 receive RS232 signals, providing data rates up to 115 kBaud.

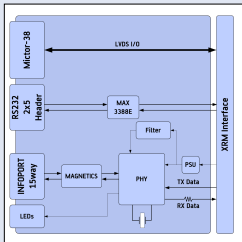
The Ethernet capability is supported by a Kendin KS8721B 2.5V PHY. This device is capable of auto-sensing 10Mb or 100 Mb networks and has a standard MII interface. With an Ethernet MAC in the FPGA provides a complete Ethernet interface.

Features
Applications:

- 10/100Mb Ethernet Adaptor card
- General purpose I/O card

Front Connector I/O:

- 10/100 Mb Ethernet Interface
- RS232 Interface
- 38 discrete digital I/Os



Specification

Product Name	XRM-ETH
Front I/O	Comms1: - 10/100 Mb Ethernet Interface connector=Infoport 15w†† - XRM-ETH comes supplied with a cable to interface to an RJ45 cable Comms2: - RS232 Interface connector=IDC Header†† - XRM-ETH comes supplied with a cable to interface to a PC 15 way connector Digital I/O: - 38 discrete digital I/Os connector=38-pin Mictor
Software	Example UCF, HDL files and Application software are provided with the board.
Environmental	Temperature: Operating Temperature 0° to +55°C EMC: FCC 47CFR Part 2 EN55022 Equipment Class B

Ordering Codes
XRM-ETH

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