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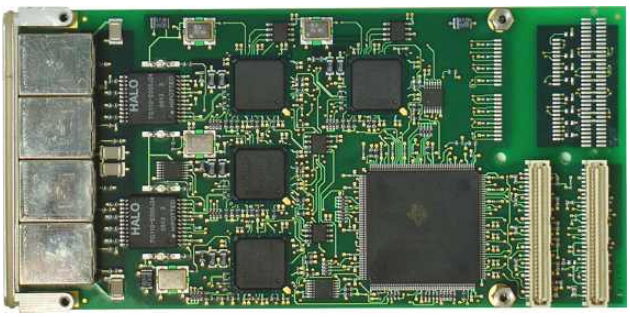
TPMC882 Four Channel 10/100Mbit/s Ethernet

Application Information

The TPMC882 is a PCI Mezzanine Card (PMC) compatible module providing a four channel Ethernet 10BASE-T/100BASE-TX interface.

A transparent 32 bit / 66 MHz PCI-to-PCI Bridge provides access to the four Intel™ 82551IT Ethernet Controllers, which support 10 and 100Mbit/s transmission rates for half and full duplex operation. Each channel of the TPMC882 is capable of performing an auto negotiation algorithm which allows both link-partners to find out the best link-parameters by themselves. The TPMC882 is widely user configurable via configuration and status register access over the PCI bus.

The TPMC882-10 provides four 10/100Mbit/s network connections via front panel RJ45 connectors. The TPMC882-11 routes all four Ethernet ports to the back I/O P14 connector. The ports are galvanically isolated from the Ethernet Controller.



TPMC882-10

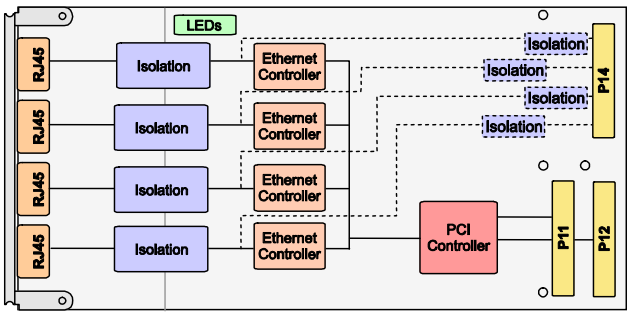
For First Time Users the Engineering Documentation TPMC882-ED is recommended. The Engineering Documentation includes TPMC882-DOC, schematics and data sheets.

Driver Support:

- The TPMC882 is directly supported from Linux, QNX6 (Neutrino) and LynxOS.
- Software Support for Windows XP/2000/NT4.0 is available from Intel at www.intel.com
- For other operating systems please contact TEWS.

Technical Information

- Standard single-width 32 bit / 66 MHz PMC module conforming to IEEE P1386.1
- PCI 2.1 compliant interface
- 3.3V and 5V PCI Signaling Voltage
- Board size: 147 mm x 74 mm
- IEEE802.3 compliant LAN interface
- 10BASE-T/100BASE-TX interface available
- Half or full-duplex operation
- 3 Kbytes Transmit and Receive FIFOs per Channel
- Controllers support DMA cycles as bus masters
- Temperature range: -40°C to +85°C



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Order Information

RoHS Compliant

TPMC882-10R	Four Channel 10BASE-T/100BASE-TX Ethernet Interface Front Panel I/O, Extended Temperature Range
TPMC882-11R	Four Channel 10BASE-T/100BASE-TX Ethernet Interface Back I/O, Extended Temperature Range

None RoHS Compliant

TPMC882-10	None RoHS compliant version of TPMC882-10R
TPMC882-11	None RoHS compliant version of TPMC882-11R

Documentation

TPMC882-DOC	User Manual
TPMC882-ED	Engineering Documentation, includes TPMC882-DOC

Related Products

TPIM004	PIM I/O Module for Quad Ethernet PMC

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