TPMC382 Conduction Cooled PMC, 4 x 10/100Mbit/s Ethernet

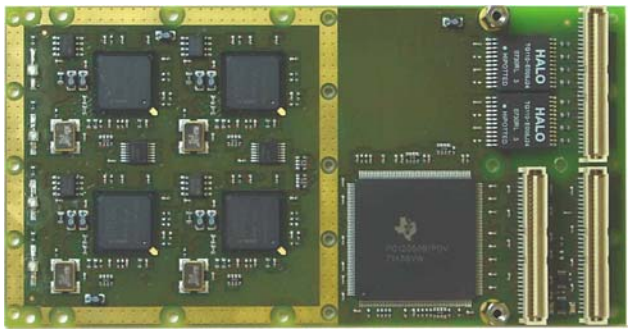
Application Information

The TPMC382 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 100 Mbit/s transmission rates for half and full duplex operation. Each channel of the TPMC382 is capable of performing an auto negotiation algorithm which allows both link-partners to find out the best link-parameters by themselves. The TPMC382 is widely user configurable via configuration and status register access over the PCI bus.

The TPMC382-10 routes all four Ethernet ports to the PMC back I/O P14 connector. The ports are galvanically isolated from the Ethernet Controller.

For First Time Users the Engineering Documentation TPMC382-ED is recommended. The Engineering Documentation includes TPMC382-DOC, schematics and data sheets.

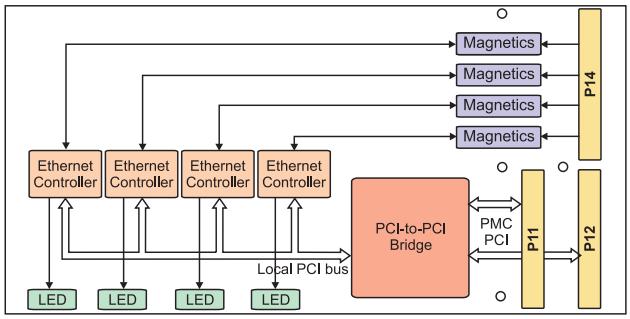


Driver Support:

- o The TPMC382 is directly supported from Linux, QNX6 (Neutrino) and LynxOS.
- o Software Support for Windows XP/2000/NT4.0 is available from Intel at www.intel.com
- o For all other operating systems please contact TEWS.

Technical Information

- Conduction cooled single-width 32 bit / 66 MHz PMC module conforming to IEEE P1386.1, no front panel
- PCI 2.1 compliant interface
- 3.3V and 5V PCI Signaling Voltage
- Board size: 143.75 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
- Operating temperature range: -40°C to +85°C



Order Information

TPMC382-10R	Conduction cooled 4 x 10BASE-T /100BASE-TX Ethernet Interface P14 I/O, Extended Temperature Range
TPMC382-10	None RoHS compliant version of TPMC382-10R
TPMC382-DOC	User Manual
TPMC382-ED	Engineering Documentation, includes TPMC382-DOC

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