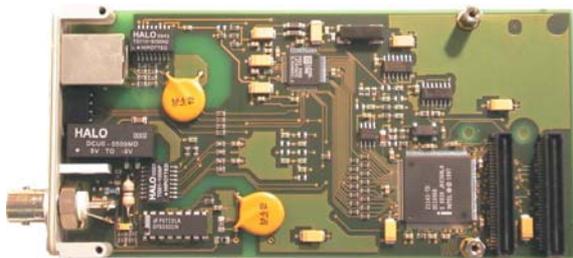


### TPMC880 10/100Mb/s Ethernet Adapter

#### Application Information

The TPMC880 is a PCI Mezzanine Card (PMC) compatible module providing a single channel Ethernet Interface and is available in three different configurations: The TPMC880-11 supports a complete Ethernet 10/100Base-T interface, the TPMC880-12 provides an Ethernet 10Base2 ("Cheapernet") interface and the TPMC880-10 combines both interface types (10/100Base-T and 10Base2) on one board.

All modules use an Intel™ 21143-TD Ethernet controller which supports 10 and 100Mb/s transmission rates for half and full duplex operation. The TPMC880-10/11 is capable of performing an auto negotiation algorithm which allows both link-partners to find out the best link-parameters by themselves. All TPMC880 are widely user configurable via configuration and status register access over the PCI-bus. All modules have front panel mounted LED's to indicate various network activities.



The TPMC880-11 provides a 10/100 Mb/s network connection via an RJ-45 connector. A LXT970A device supports all physical functions on the Twisted-Pair transmission line and is fully IEEE802.3 compliant. The twisted-pair port is galvanically isolated from the LXT970A and the Ethernet controller by an isolation module. The TPMC880-10/12 provides a 10Base2 ("Cheapernet") network connection via a BNC connector.

To guarantee overvoltage protection up to 500Vrms the BNC transmission path and the supply voltage is fed over a DC/DC converter and an isolation module to the coax transceiver, which is directly connected to the coax cable. The TPMC880-10 provides a 10Base2 and a 10/100Base-T interface on the same board.

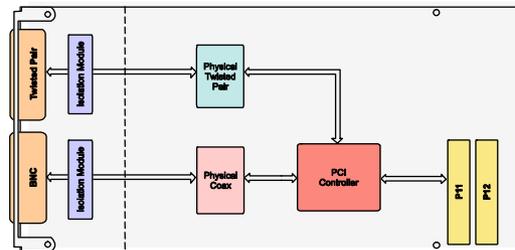
For First Time Users the Engineering Documentation TPMC880-ED is recommended. The Engineering Documentation includes TPMC880-DOC, schematics and data sheets.

#### Driver Support:

- Windows XP/2000 Software support: Use standard Windows XP/2000 driver.
- For other operating systems please contact TEWS.

#### Technical Information

- Standard single-width 32 bit PMC module conforming to IEEE P1386.1
- PCI 2.1 compliant interface
- 3.3V and 5V PCI Signaling Voltage
- Board size: 149mm x 74mm
- IEEE802.3 compliant LAN interface
- Support of front panel status LED's
- 10/100Base-T or/and 10Base2 interface available
- Half or full-duplex operation
- Controller supports DMA-cycles as a bus master
- Network ports galvanically isolated up to 500Vrms



#### Order Information

<b>TPMC880-10</b>	10/100Base-T and 10Base2 Ethernet Interface (None RoHS compliant)
<b>TPMC880-11</b>	Single 10/100Base-T Ethernet Interface (None RoHS compliant)
<b>TPMC880-12</b>	Single 10Base2 Ethernet Interface (None RoHS compliant)
<b>TPMC880-DOC</b>	User Manual
<b>TPMC880-ED</b>	Engineering Documentation, includes TPMC880-DOC