**Application Information**

The TPMC600 is a PMC compatible module and has 32 digital inputs galvanically isolated by optocouplers. The individual inputs are separated in groups of 4 sharing a common ground input. These groups are potential free to each other. A high performance input circuit ensures a defined switching point and polarization protection against confusing the pole. All inputs have an electronic debounce circuit with a programmable debounce time.

A version with 16 inputs is also available where modules with front respectively back panel I/O are available. All inputs can generate an interrupt. The signal edge handling is programmable.

Software Support (TPMC600-SW-xx) for different operating systems is available.

**Technical Information**

- Form Factor: Standard single-width 32 bit PMC module conforming to IEEE P1386.1
- Board size: 149 mm x 74 mm
- PCI r2.2 compliant interface, 32 bit, 33 MHz
- 3.3V and 5V PCI Signaling Voltage
- 32 / 16 interrupt generating digital inputs
- 24 V signal voltage for inputs, other voltages on request
- Optocoupler for galvanic isolation of inputs to computer
- All inputs isolated to each other in groups of four inputs
- Protection against confusing the pole
- Programmable electronic debounce circuit (7µs to 440ms in steps of 7µs)
- Operating temperature: -40°C to +85°C
Order Information

RoHS Compliant
TPMC600-10R  32 Interrupt Generating Digital Inputs, Front panel I/O, HD50
TPMC600-11R  16 Interrupt Generating Digital Inputs, Front panel I/O, HD50
TPMC600-20R  32 Interrupt Generating Digital Inputs, P14 I/O
TPMC600-21R  16 Interrupt Generating Digital Inputs, P14 I/O

For the availability of non-RoHS compliant (leaded solder) products please contact TEWS.

Documentation
TPMC600-DOC  User Manual

Software
TPMC600-SW-25 Integrity Software Support
TPMC600-SW-42 VxWorks Software Support (Legacy and VxBus-Enabled Software Support)
TPMC600-SW-65 Windows Software Support
TPMC600-SW-72 LynxOS Software Support
TPMC600-SW-82 Linux Software Support
TPMC600-SW-95 QNX Software Support

For other operating systems please contact TEWS.

Related Products
TA301  Cable Kit for modules with HD50 connector
TPIM001  PIM I/O Module with HD50 SCSI-2 type connector