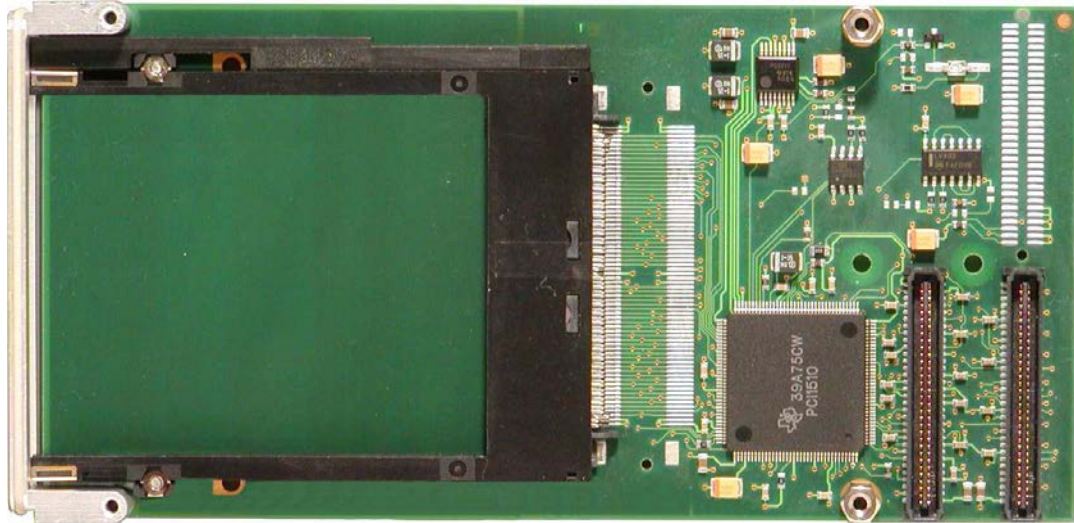


TPMC871 1 Socket PC Card Interface



Application Information

The TPMC871 is a standard single-width 32 bit PMC module with one interface for 16 bit PC Card or 32 bit CardBus cards using a PC Card controller and a power management unit. The register map of the PC Card controller is Intel 82365-DF compatible.

The power management unit provides 3.3V or 5.0V PC Card power supply and 3.3V, 5.0V or 12V PC Card programming voltage. Due to the short circuit and thermal protection of the power management unit no external fuses are needed on the module.

The TPMC871 provides full ExCA register implementation of one 16 bit PC Card compatible with PCMCIA 2.1/JEIDA 4.2 standards. Both memory and I/O cards are supported.

Up to five memory windows and up to two I/O windows are available for PC Card 16 accesses. For 32 bit CardBus cards two memory windows and two I/O windows are supported by the controller. CardBus card status information can be accessed in five CardBus socket registers which can be mapped in the host memory space.

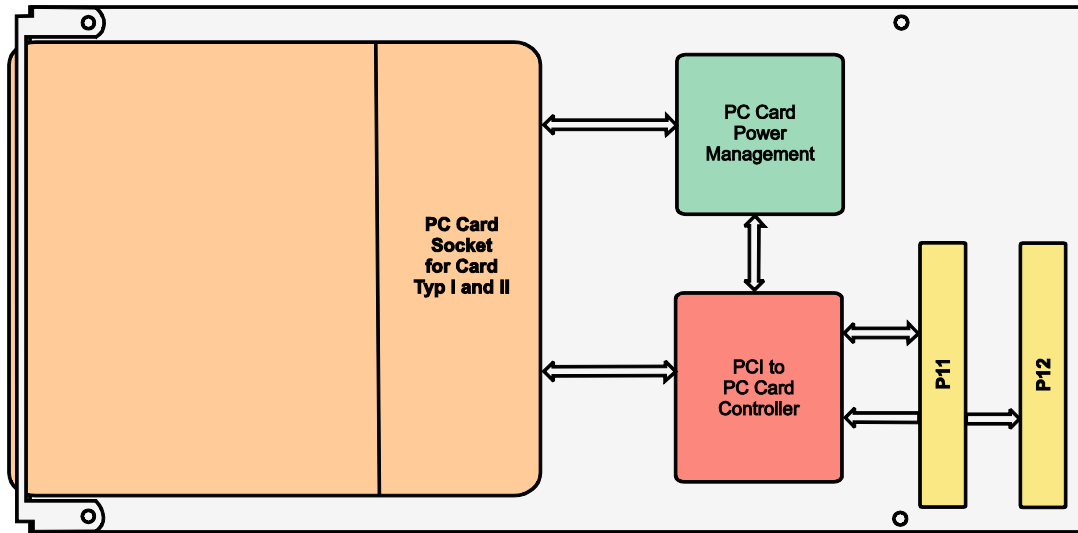
Software Support:

- Driver support (TPMC871-SW-xx) for different operating systems is available.
- The TPMC871 is directly supported from Windows and Linux.
- For further 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
- 1 PC Card Slot with hot insertion and removal
- Supports memory and I/O cards of type I and II

Note: The PC Card assembly has a maximum component height of 5.6mm which is 0.9mm above the specified component height (4.7mm) according to IEEE1386.1



Order Information

RoHS Compliant

- TPMC871-10R** 1 Socket CardBus/PC Card Interface, access through front panel
- TPMC871-11R** 1 Socket CardBus/PC Card Interface, recessed socket, no front panel
- TPMC871-50R** 1 Socket CardBus/PC Card Interface, recessed socket, front panel

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

Documentation

- TPMC871-DOC** User Manual

Software

- TPMC871-SW-42** VxWorks Software Support

For other operating systems please contact TEWS.