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Find the *Tews Technologies TPMC871* at our website: ***Click HERE***

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.



For First Time Users the Engineering Documentation TPMC871-ED is recommended. The Engineering Documentation includes TPMC871-DOC, schematics and data sheets.

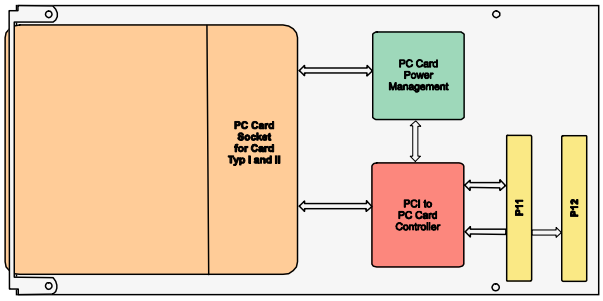
Driver Support:

- o Driver support (TPMC871-SW-xx) for different operating systems is available.
- o The TPMC871 is directly supported from WindowsXP/2000 and Linux.

Technical Information

- Standard single-width 32 bit PMC module conforming to IEEE P1386.1
- PCI 2.1 compliant interface
- 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

TPMC871-10	1 Socket PC Card Interface, PC Card accessible through front panel
TPMC871-10R	RoHS compliant version of TPMC871-10
TPMC871-11	1 Socket PC Card Interface, PC Card not accessible through front panel
TPMC871-11R	RoHS compliant version of TPMC871-11
TPMC871-50	1 Socket PC Card Interface, PC Card accessible through front panel, inserted PC Card behind front panel
TPMC871-50R	RoHS compliant version of TPMC871-50
TPMC871-DOC	User Manual
TPMC871-ED	Engineering Documentation, includes TPMC871-DOC
TPMC871-SW-42	VxWorks Software Support

For other operating systems please contact TEWS.

TEWS TECHNOLOGIES GmbH keeps the right to change technical specification without further notice. 09/2006

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