TPMC821 Interbus-Master Interface Generation 4 (G4)

Application Information

The TPMC821 is a standard single-width 32 bit PMC module and offers a complete PMC INTERBUS Master Generation 4 (G4) Interface. A MC68332 local controller and the IPMS3 INTERBUS protocol controller are used as controlling units on board of the TPMC821.

The communication between the host CPU and the TPMC821 is handled via a 4 Kbyte Dual Port Memory. The on board firmware running on the MC68332 is the original INTERBUS Master Generation 4 (G4) firmware from Phoenix Contact.

Furthermore the TPMC821 provides a RS232 diagnostic port, the optically isolated INTERBUS interface and status LEDs.

Technical Information

- Standard single-width 32 bit PMC module conforming to IEEE P1386.1
- PCI 2.1 compliant interface
- Board size: 149 mm x 74 mm
- Local MCU Motorola MC68332 20 MHz
- Interbus Controller IPMS3 Interbus Master Protocol Chip
- Memory configuration SRAM: 512k x 16 (1MB)
- FLASH: 512k x 16 (1MB) + 256k x 16, DPM: 4K x 8
- Interbus interface (front I/O) DB9 female connector
- RS-232 interface (front I/O) Shielded 8P. Mod.-Jack
- LED Diagnostic (front I/O)
- Enhanced Diagnostic port at the P14 Mezzanine Connector (back I/O), RESET Push-Button (front I/O)
- G4 Phoenix Contact Firmware (4.66)

Order Information

RoHS Compliant
TPMC821-10R INTERBUS Master G4

None RoHS Compliant
TPMC821-10 None RoHS compliant version of TPMC821-10R

Documentation
TPMC821-DOC User Manual
TPMC821-ED Engineering Documentation, includes TPMC821-DOC, Phoenix Doc

Software
TPMC821-SW-25 Integrity Software Support
TPMC821-SW-42 VxWorks Software Support
TPMC821-SW-65 Windows XP/XPE/2000 Software Support
TPMC821-SW-72 LynxOS Software Support
TPMC821-SW-82 LiNUX Software Support
TPMC821-SW-95 QNX 6 Software Support

For other operating systems please contact TEWS.

Related Products
TPIM001 PIM I/O Module with HD50 SCSI-2 type connector

For First Time Users the Engineering Documentation TPMC821-ED is recommended. The Engineering Documentation includes TPMC821-DOC, schematics and data sheets.

Software support (TPMC821-SW-xx) is available for different operating systems.

TEWS TECHNOLOGIES GmbH keeps the right to change technical specification without further notice.
All trademarks mentioned are property of their respective owners.

TEWS TECHNOLOGIES GmbH
Am Bahnhof 7 25469 Halstenbek, Germany
Phone: +49 (0) 4101 4058 0 Fax: +49 (0) 4101 4058 19
e-mail: info@tews.com www.tews.com