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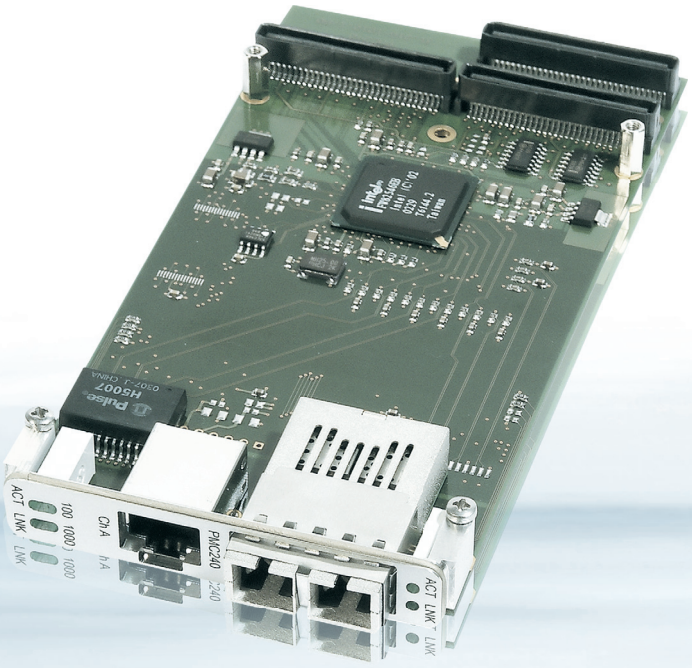
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PMC240



GIGABIT ETHERNET CONTROLLER

- speedy
- innovative
- versatile

POSSIBILITIES START HERE kontron

Designed for operation in latest high speed networks, the PMC240 provides rapid data throughput and most flexible operation.

SPEEDY

Two individual channels without the need of a PCI/PCI bridge grant the rapidity of this module. The wide bandwidth of this new semiconductor technology with 32/64 bit, 33/66 MHz PCI and/or 66/133 MHz PCI-X operation corresponds to the requirements of even the most demanding of applications.

INNOVATIVE

Developed with the use of the latest technology, the PMC240 has an excellent reliability, as the SerDes functionality is integrated. By using only one PCB for all available variants, it is very easy to convert or customize it for any application.

VERSATILE

Offering the possibility of either one or two channels as well as the support of copper and/or optical transmission, allows a maximum flexibility. Furthermore the PMC240 has an intelligent behaviour through the auto detect of 10Base-T, 100Base-TX or 1000Base-T in copper network configurations.

TECHNICAL INFORMATION

CHARACTERISTICS	CONTROLLER COPPER INTERFACE FIBER INTERFACE FLASH MEMORY CONFIGURED EEPROM FRONTPANEL	Dual Channel Intel82546GB Gigabit Ethernet Controller Complete 32/64 Bit 33/66 MHz PCI and 66/133 MHz PCI-X interface 10 Base-T, 100 Base-TX or 1000 Base-T half and full duplex with auto detection 1000 Base-SX full duplex Optionally soldered TSOP32 Flash up to 512 kB for boot agent capability onboard soldered 4 MBit Microwire EEPROM (256 x 16 organization) for configuration data 2x RJ45 for dual channel copper 1x RJ45 and 1x SC-Type connector for mixture
HOST INTERFACE		32/64 Bit PCI Interface over PMC connectors Pn1, Pn2, Pn3, Compliant with Draft Standard Physical and Environmental Layers for PCI Mezzanine Cards PMC, P1386.1/Draft 2.4, 12-Jan-01, and the mechanical Draft Standard for a Common Mezzanine Card Family CMC, P1386.1/Draft 2.4a, 21-Mar-01.
SOFTWARE SUPPORT		Windows®XP, Windows®2000, Linux®, VxWorks®
COMMON	POWER SUPPLY DIMENSIONS OPERATING TEMP. STORAGE TEMP. CLIMATIC HUMIDITY WEIGHT MTBF	3.3 V over PMC interface 74 mm x 149 mm (PMC card size) 0 °C to 70 °C Note: Ethernet controller 82546GB requires cooling by airflow of 1m/s or more for operation above 55 °C -40 °C to +100 °C non-considering 93 % at 40 °C acc. to IEC60068-2-78 150 g 534.400h acc. to MIL-HDBK-217F2

ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
PMC240	24007	PMC Dual Channel Gigabit Ethernet, Copper
PMC240	24014	PMC Dual Channel Gigabit Ethernet, Copper and Fiber

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