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Find the *Abaco Systems / Ramix PMC-698* at our website: ***Click HERE***

Product Specification

PMC698

Intelligent Dual Gigabit Ethernet PMC Format

Overview

Incorporating state of the art technology, the PMC698 sets a new standard for high performance data exchange. Two 1000 Mbit Ethernet controllers are combined with a local RISC processor and PCI bridge system. The result is a very high performance, extremely flexible solution for a variety of data transfer requirements.

Local and Application Specific Intelligence

The on-board RISC processor [Intel 80303] allows the PMC698 to be utilized in a wide range of applications. In the simplest mode, all control can be kept within the system host, with the PMC698 providing dual Ethernet access. Other options include “dual rail” access, where the choice of physical access is automatically switched by the PMC698’s “fail over” software. RAMiX’s embedded TCP/IP allows the host to off-load the TCP/IP overhead to the local I/O co-processor.

Users can further add application specific functionality to the on-board firmware, migrating appropriate control into the PMC698.

Dedicated Data Mover

Embedded firmware on the PMC698 can be invoked to move data buffers directly between application buffers on connected machines. In a point-to-point configuration, this creates an economical, 100Mbytes/second data path. Utilizing a hub or switch with multiple PMC698’s adds multi-cast buffer transfers. All details of data transfer are embedded in the PMC698 - the application writer is free to focus on overall design.

Hardware Features

- PCI 64bit/66Mhz
- Two 1000BaseSC, 1000Base LX or 10/100/1000BaseTX
- Dedicated processor [Intel 80303]
- Connector options: LC, VF-45, MT-RJ
- 32 Mbytes ECC SDRAM on-board (options for up to 128Mbytes)
- Embedded Firmware
- Embedded TCP/IP
- Fail Over Firmware
- Trunking Capabilities

Software Support

- HPUX
- Linux
- LynxOS
- Solaris
- VxWorks
- WindowsNT

Corporate Headquarters

RAMiX Inc • 1672 Donlon Street • Ventura • CA 93003 • USA
Tel: +1 (805) 650 2111 • **Fax:** +1 (805) 650 2110

www.ramix.com

European Headquarters

RAMiX Europe Ltd • 3/2 Great Michael House
14 Links Place • Edinburgh EH6 7EZ • UK
Tel: +44 (131) 561 3520 • **Fax:** +44 (131) 561 3521

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Product Specification

PMC698

Specifications

System / Port Configurations	Dual Gigabit Ports
Part No PMC698TX	Dual Copper 10/100/1000BaseTX ports
Part No PMC698	Dual 1000BaseSX with LC, VF-45, MT-RJ connectors
Part No PMC698LX	Dual 1000BaseLX with LC, VF-45, MT-RJ connectors
Bus Interface	PCI 2.2 64 bit / 66 MHz
Temperature	0 - 60° C operating. -45 to 90° C non-operating.
Humidity	5% to 95% - non-condensing
Power Requirements	10 Watts
Dimensions	PCI Mezzanine Card [PMC]
MTBF	Calculated to Mil Spec
Warranty	5 years

it's all about connexions™

RAMiX Inc. is a designer and manufacturer of state-of-the-art networking, storage, I/O and memory solutions. RAMiX supplies a diverse market place ranging from process control, internetworking and telecommunications to rugged, extended temperature military environments. RAMiX Inc delivers innovative products supporting the leaders in Single Board Computers, Real-Time and UNIX operating systems. The product range includes 10/100/1000 Embedded Ethernet Switches, a wide array of Network Interface Cards (NICs) featuring both intelligent and non-intelligent solutions, serial I/O, Flash and SSD memory, bus expansion and adaptation (PCMCIA, PMC, VME, CPCI). RAMiX sells and supports OEM and distribution partners worldwide with offices in the USA and Europe.

For further details on RAMiX's product line, please visit www.ramix.com

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