Offload communications applications using the ARTIC family of coprocessors!
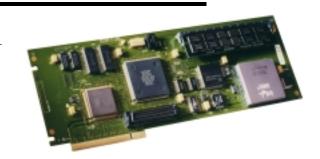
IBM

ARTIC960 PCI Adapter

Highlights

- **High-speed, high-throughput, intelligent coprocessor designed especially for PCI-bus machines**

- **Relieves the host from compute-intensive tasks associated with I/O communication applications**

- **Architected to support over 32MB of RAM**

- **Provides coprocessor performance four to ten times that of previously released IBM coprocessors**

- **Fully programmable 32-bit interface**

- **Busmaster peer-to-peer performance**

- **Power to off-load device-to-WAN or LAN-to-LAN processing**

ARTIC is an acronym for A Realtime Interface Coprocessor. The ARTIC family of general-purpose coprocessor adapters can off-load realtime demands, facilitate high-speed communication tasks, and provide front-end processing for a variety of communications data.

The ARTIC960 PCI Adapter is a one-slot, add-in, I/O attachment card for computers that support the PCI bus. Its main engine is the Intel 80960CF microprocessor that serves to off-load the system unit microprocessor of chores typically associated with I/O. On-board storage includes 4 to 16MB of 80960 "packet" DRAM and up to 4MB of instruction DRAM for high-bandwidth applications. The ARTIC960 PCI Adapter provides coprocessor performance four to ten times that of previously released IBM coprocessors.

Using the ARTIC960 platform, developers can create state-of-the-art communications solutions by programming or designing custom Application Interface Boards (AIBs). By using the ARTIC960 platform, solutions can be leveraged in a variety of host computers and extended with other protocols and AIBs.

The IBM ARTIC960 PCI is ideally suited for applications such as downstream connections to multiple devices, upstream connections to host computers, Wide Area Networking (WAN) such as X.25, high-performance storage systems, network bridging and routing, multiple local area networks (LAN), and satellite communications.

It can also provide effective solutions in airline and hotel reservation systems, manufacturing process control, high-reliability storage systems, telephony and communications networks. Additionally, ARTIC960 PCI can be used to provide high-throughput support for emerging technologies such as ISDN primary, Asynchronous Transfer Mode (ATM) and multimedia.

Part number ARTIC960 PCI	39H8058	
Physical	Length	312mm (12.2")
	Width	106mm (4.2")
Operating environment		
	Temperature	0 - 55º C
	Relative humidity	8% - 80%
Power consumption	5 V dc	2.5 A
	+12 V dc	0 mA
	-12 V dc	0 mA
Operating system support	Windows NT, OS/2 Warp, AIX,	
Agency approvals	FCC Class A, CISPR 22 Class A (EMC). This product complies with Council Directives EN55022 Class A, EN50082 -1 (EMC), and is affixed with the CE Mark. VCCI Class A (EMC)	
Ship group	PCI adapter, installation manual, software iinstruction	
Limited warranty	3 years	
Need more information?		
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