An open platform providing power & performance for demanding telephony and WAN applications

ARTIC960Hx PCI Adapter

Highlights

- **Full length universal PCI adapter**
- **Intel i960HD Processor, 33/66Mhz**
- **Scalable user memory - 4MB, 8MB, 16MB, and 32MB SO DIMM options**
- **Supports single and single-extended PCI Mezzanine Cards (PMC)**
- **Fully programmable 32-bit interfaces for OEM/custom applications**
- **PCI V2.1 compliant**
- **IBM developed isolated asynchronous PCI bridge providing bus master data transfer capability**

The most powerful adapter in the ARTIC family is the ARTIC960Hx PCI Adapter. This full-length, intelligent adapter is designed for use in 32-bit PCI bus host systems. Its main engine is the Intel 80960HD microprocessor which provides the performance to offload the most demanding communi-cations and other real-time applications. On-board storage includes plug-in memory modules available in 4MB, 8MB, 16MB, and 32MB sizes.

The ARTIC960Hx PCI Adapter is a PCI V2.1 Universal PCI adapter and is compatible in both 3.3V and 5.0 PCI systems. In most 3.3V and 5.0V PCI systems, 3.3V power is supplied to the installed adapter cards. In these systems, the ARTIC960Hx PCI Adapter without the voltage regulator (No VR) should be used. In some PCI 5.0V systems, 3.3V power is not supplied to the installed adapters. In these systems, the ARTIC960Hx PCI Adapter with the voltage regulator (VR) option must be used.

The ARTIC960Hx PCI Adapter has a PCI Mezzanine Card (PMC) connector which supports a 32-bit PCI interface for PMC attachment. A PMC provides high-function, application-specific interfaces that expand and customize the capability of this base adapter.

The ARTIC960Hx PCI Adapter has the bandwidth to process multiple communication connections and support simultaneous synchronous or asynchronous full-duplex lines, each at data rates up to 2.048Mbps.

This adapter's open-architecture along with down-loadable protocol stacks and the appropriate PMC, make it ideal for use in telephony applications, device interface and control, and wide area networking applications.

It provides a common platform that is ideal for OEM customers looking to embed these capabilities into their products and solutions as well as for third party developers who need a common platform to leverage their development. End-users can apply this technology when combined with an IBM solution or using OEM or third party PMC's, device drivers, and applications.

IBM mezzanine cards provide support for connections to T1 and E1 networks and serial interfaces like V.35, X.21, EIA-232, RS-449, and EIA-530 at data rates up to 2.048Mbps. The processing function on the mezzanine cards can be used for communication tasks and protocols such as frame relay, SS7, ISDN, digital modem support and ATM over T1.

The ARTIC960Hx is designed using an IBM-developed, high-performance, asynchronous, isolated, PCI bridge. This bridge enables high-speed DMA block transfer for high throughput between the adapter and the host system.

Part numbers ARTIC960Hx PCI	87H3450	
Physical	Length	309.8mm (12.2")
	Width	98.5mm (3.8")
	Depth	17.3mm (.68")
Operating environment		
	Temperature	0 - 55° C
	Relative humidity	5% - 95%
Power consumption		
	3.3 V dc	0 A to .57 A
	5 V dc	1.11 A to .73 A
	+12 V dc	0 A
	-12 V dc	0 A
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 EN60950 + AMD 2 (safety), EN55022 Class A (EMC), EN50082 -1 (EMC), and is affixed with the CE Mark. VCCI Class A (EMC), AS/NZS 3548 Class A (EMC Australia), MIC Class A (EMC Korea)	
Ship group	PCI adapter, installation manual, software instructions	
Limited warranty	3 years	
Need more information?		
Reseller locator	For the name of the authorized IBM reselller nearest you	
US	1-800-426-7255 ext 4753	
Canada	1-800-426-2255	
Online information World Wide Web	Frequently updated information on Options products, Thinkpad products, user forums, technical support, IBM Personal Systems Group downloadable files and more	
US	www.ibm.com/options	
Canada	www.ibm.com/pc/ca/options	
Bulletin Board	919 517-0001	
Prodigy	JUMP IBM	
CompuServe	GO IBM	
America Online	KEYWORD IBM	
IBM Personal Systems Group Fax System		
US	1-800-IBM-3395	
For an index of Options-specific FaxBack documents		
Customer index	#1011	
Reseller index	#2011	
Get Year 2000 Ready		
Worldwide	www.ibm.com/pc/year2000	

[1] The ARTIC960Hx PCI Adapter does not use +12 or -12 volts, but it does route them to the PMC connector

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Produced in the United States of America
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