

Offload communications applications using the ARTIC family of coprocessors!



ARTIC186 Model II ISA/PCI Adapter

Highlights

- Increased performance in processor and line speeds
- Program compatibility with existing IBM ARTIC Multiport Model II and Portmaster
- Operates in both PCI and ISA-bus compatible computers
- Up to eight synchronous or asynchronous ports
- User programmable for customized and third-party configurations
- Multiple protocols on a single adapter



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 ARTIC186 Model II ISA/PCI Adapter provides greater throughput on the serial I/O ports, 1MB of on-board memory, and electrical interface selections for connection to outboard devices and/or communication lines. It allows up to eight ports of multi-protocol communications which translates to greater flexibility and lowers the cost per port.

The ARTIC186 Model II ISA/PCI Adapter's coprocessor is based on a 16-bit Intel 80C186 microprocessor. The memory is dual-ported and communication between the coprocessor and system unit is done via I/O registers and shared memory. Communications are synchronized by interrupts between the coprocessor and system unit. Interrupt levels are selectable.

Various electrical interfaces are supported through attachment of interface boards and cables. With the selection of the appropriate board, full-duplex data rates of up to 64Kbps running simultaneously on

each of the 8 ports, or up to 1.544Mbps for a single port can be achieved. High-speed data rates for multiple ports are accomplished using the two Direct Memory Access (DMA) channels provided for each port. All ports can be programmed for asynchronous, bit synchronous, and character synchronous protocols, using either direct memory access or interrupt mode. Performance will be reduced using interrupt mode.

The ARTIC186 Model II ISA/PCI Adapter is supported by multiple operating systems and is commonly used to provide multiple high-speed Wide Area Network (WAN) connections such as X.25, Frame Relay, and SDLC or a mixture of device and network connections.

Part number		
ARTIC186 Model II ISA/PCI	87H3750	
Physical		
Length	342.9mm (13.5")	
Width	106.7mm (4.2")	
Depth	17.5mm (0.7")	
Operating environment		
Temperature	0 - 60° C	
Relative humidity	5% - 90%	
Power requirements		
4.8 V dc to 5.25 V dc	1.07 A	
-5.5 V dc to -4.5 V dc	0 mA	
11.3 V dc to 12.7 V dc	0 mA	
-10.8 V dc to 13.2 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 is affixed with the CE Mark. VCCI Class A (EMC)		
Ship group		
adapter, installation manual, software		
Limited warranty		
3 years		
Need more information?		
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For the name of the authorized IBM reseller nearest you		
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9-99
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