Offload communications applications using the ARTIC family of coprocessors!

IBM

IBM ARTIC186 8-Port Adapter

Highlights

- **Eight ports integrated on adapter, individually selectable between RS-232 and RS-485/RS-422**

- **Program compatibility with existing IBM ARTIC Multiport**

- **Utilizes existing Multiport 8-port cables**

- **Operates in most ISA-compatible computers**

- **1MB on-board memory**

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 8-Port Adapter uses a high-performance 16-bit Intel 80C186 processor and Zilog 8030 Serial Communications Controllers, running at a clock speed of 7.37 MHz. It comes with 1MB of dual-ported, parity memory, and supports 8- and 16-bit mode data buses.

The eight independent serial I/O ports on the adapter are individually selectable between RS-232 and RS-485/RS-422.

Two ports support a choice of asynchronous, bit sync, or character sync protocols; the remaining six ports are asynchronous only. Using DMA, one port can operate at 38.4 Kbps full-duplex while a second can operate at a max of 19.2 Kbps.

Using the ARTIC186 8-Port Adapter, developers can create state-of-the-art communication solutions such as connections to computerized reservation systems, manufacturing process control, telephony, wide area networks, and multi-terminal connections. All ports may run concurrently at 9.6Kbps.

An 8-port modem attachment cable and 8-port interface cable are also available.

Provided with the adapter is the Realtime Control Microcode (RCM). RCM provides a programming interface for applications running on the adapter, handling up to 253 concurrent tasks. Other RCM features include dynamic memory management, timer support, queue management and task synchronization.

As a successor to the original ARTIC Multiport Adapter and the ARTIC Multiport 8-Port 232 Adapter, this new adapter is fully compatible with existing ARTIC Multiport RS-232 and RS-422 (RS-485) applications, offering current users a cost-effective migration path. With the exception of six RS-232 synchronous ports function on the Multiport/2, this adapter is compatible with both the ISA Multiport 8-Port RS-232 and ISA Multiport Adapters as well as the Micro Channel Multiport/2 Adapter.

Part number		
ARTIC186 8-Port Adapter	87H3320	
Physical	Length	340.4mm (13.4")
	Width	106.7mm (4.2")
	Depth	17.5mm (0.7")
Operating environment		
	Temperature	0 - 60º C
	Relative humidity	5% - 90%
Power consumption	4.8 V dc to -5.25 V dc	1.5 A
	-5.5 V dc to -4.5 V dc	0 mA
	11.3 V dc to 12.7 V dc	175 mA
	-10.8 V dc to -13.2 V dc	150 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, and is affixed with the CE Mark. VCCI Class A (EMC)	
Ship group	ISA 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	
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