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Networking & Communications Products

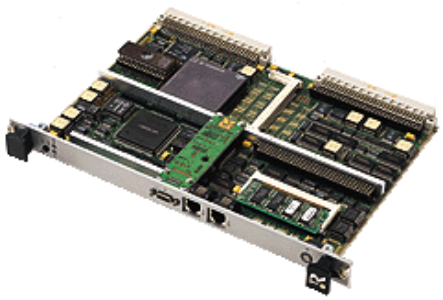
This section contains summary information on the products selected. Detailed product data sheets are available in Adobe .PDF format. These can be selected from each of the following summaries.

To read the data sheets, you can download a copy of Adobe Acrobat which you can configure to use directly with your favourite browser.

1. SBCC Communications Controller
2. MPCC-1 Multiprotocol Communications Controller
3. ACM-1 Asynchronous Communications Interface
4. FDDI Products
5. PMC 1553
6. PMC FDAS/FSAS
6. PMC ETX

SBCC Series

Single Board Communications Controllers



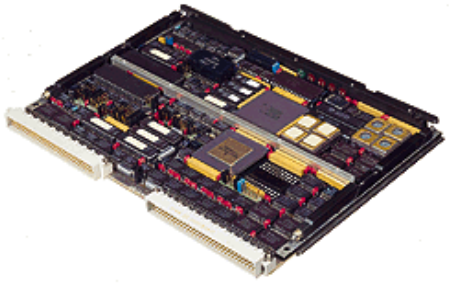
Designed to be the most flexible communications controller available in a VMEbus form factor, the SBCC-1 (904Kbytes) provides sophisticated high speed serial communications using the 68360 QUICC communications controller with an optional 68040 for enhanced protocol processing.

- 4 multi-protocol sync/async serial channels with total aggregate bandwidth of up to 20 Mbits/second
- Multiprotocol support includes Ethernet, HDLC/SDLC, Appletalk, UART, BISYNC, X.21, LAPB, LAPD, X.25 and custom protocols
- Plug-in modules for different signalling levels including Ethernet, RS232, RS422 and RS485
- Up to 32 Mbytes of DRAM, 2.5 Mbytes of SRAM and 4 Mbytes of FLASH memory with on-board programming
- MXbus expansion interface
- QUICClink communications firmware and extensive device driver support for host/SBCC configurations, or on-card protocol options

MPCC-1

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Multiprotocol Communications Controller



The MPCC-1 provides 4 serial channels, able to operate simultaneously, supporting a maximum synchronous data throughput of 2Mbits/sec full duplex distributed over all channels. Individual channels can be operated at speeds up to 1Mbit/sec with full on-board control of data flow protocols from the 68020 processing subsystem.

- 4 high speed synchronous or asynchronous serial channels
- On-board 68020 processor
- 512Kbytes of reprogrammable EPROM and 1Mbyte of dual ported SRAM
- Bit and byte orientated protocols supported with data rates to 1Mbit/sec
- X.25 protocol support to OSI level 3, HDLC and LAPB
- RS423, 422 and 485 channel selectable
- Simple integration of user tasks and protocols
- Honeywell DRU and SINCGARS compatible
- Comprehensive Built-in Test (BIT)

ACM-1

Intelligent Asynchronous Communications Interface

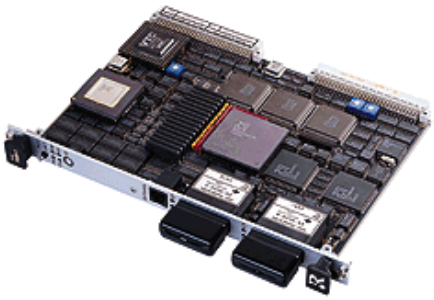


The ACM-1 is a high performance, low cost, 8 channel intelligent serial I/O subsystem. It is a VMEbus slave controlled by on-board firmware and may be used in any 16/32 bit system requiring multiple, flexible serial communications ports.

- 8 independent, full duplex asynchronous serial channels
- Configurable for RS423 or 422
- Selectable baud rate per channel from 50 to 38.4K
- Simultaneous throughput of 9.6Kbaud on all channels
- 5 to 8 bit character size with selectable stop bits
- Odd, even or no parity
- 64Kbyte dual-ported SRAM character buffer
- On-board 80C186 processor minimizes terminal handling overheads
- Embedded firmware controls each channel independently

FDDI-1

High Speed FDDI Controller



The FDDI-1 (510Kbytes) is a high-speed fiber distributed data interface controller with fiber-optic connection. The FDDI-1 offers an ideal solution for all performance-oriented, high-reliability communications.

- Dual or single attach station with 100 Mbits/second network bandwidth
- MIC or ST optical fibre connectors, or optional STP/UTP twisted pair interface
- MIL-STD-2204 SAFENET capabilities
- Extensive software support for VxWorks, Solaris, OS-9, LynxOS and other popular operating systems
- 25 MHz SPARClite RISC processor and AMD Supernet-2 FDDI chipset
- Automatic fault tolerance

For even more detailed info, or technical support, please fill in the e-mail form.

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