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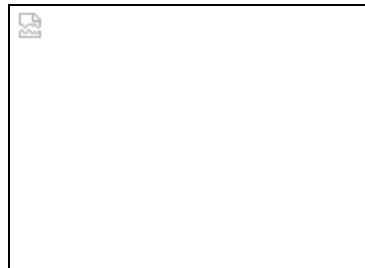
Product info

- OEM products
- Standard Bus Standards
- VME Bus Board Series
- Compact PCI Board Series
- PCI Bus Board Series
- ISA Bus Board Series
- PMC Board Series
- Function-specific
- CPU Board Series
- ARCNET Board Series
- Shared memory Boards
- StarFabric Board Series
- Isolation Amplifier
- Industrial Computer System
- Function-specific Board
- Quick Reference Chart

VME Bus Board Series

PRODUCTS

Shared Memory Board



Advme1522A

CatalogPDF Download 192KB

Features

- Shared memory board for sharing data between distributed systems
- Fiber communication system for sharing data between remote locations
- Use by connecting multiple Advme1522A or Adpci1523 (shared memory board for PCI bus) boards in a loop using optical fiber
- Only the resistor for default settings and shared memory area can be accessed from software
- Ideal for linking remote systems and linking VME bus systems with PCI bus systems
- Built-in communication function with a bit rate of 250Mbit/s and data communication speed of 4MBytes/s
- Communication function for all hardware
- Mapping of shared memory area can be modified and memory size can be expanded
- Built-in adjacent node failure and cable break detection function
- Added CRC and data backup to ensure high reliability of communications
- Interrupt command to control the timing of data updates between nodes
- Shared memory with PCI bus possible (byte endian swap function)
- Device drivers and sample programs for VxWorks available (option)

Application Areas

- Industrial process control, transportation system control and so forth
- Control systems requiring real-time properties for sending and receiving data
- Data processing systems requiring high speeds including image data processing and voice data processing systems
 - Weather observation, seismic observation, production line monitoring in factories and so forth
- Systems for collecting real-time data from remote areas

Specifications

Note: The following specifications and product appearance are subject to change for enhancement without notice.

No. of communication ports	1-channel
Communication system	Fiber channel
Bit rate	250Mbit/s
Cable	Multi-mode optical fiber
No. of boards connectable in one loop	Up to 255
Cable distance between boards	Up to 1km
Connector	SC (one for sending, one for receiving)
Shared memory size	128KBytes (can be expanded to 1MByte, 2MBytes, 4MBytes or 8MBytes)
Bus interface	VMEbus Revision C.3 compliant A24 or A32 (selectable) D32, D16 and D8 (EO) support
Power requirements	+5V±5% 1.0A (typ.) (received from VME bus)

Board size	262mm x 172mm x 20mm Double height/Single slot (excluding protrusions such as connectors)
Weight	310g (typ.)

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 Advanet Inc.



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