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VERIDIAN

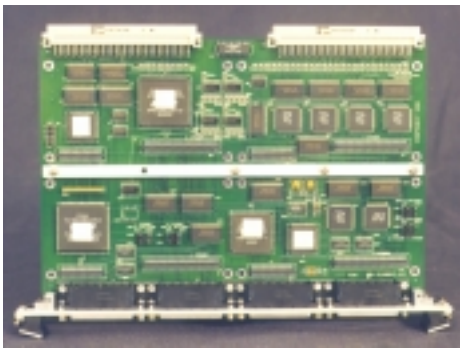
Quadraplex Input/Output Motherboard

QPLX-323

QPLX-325

Specifications

Features

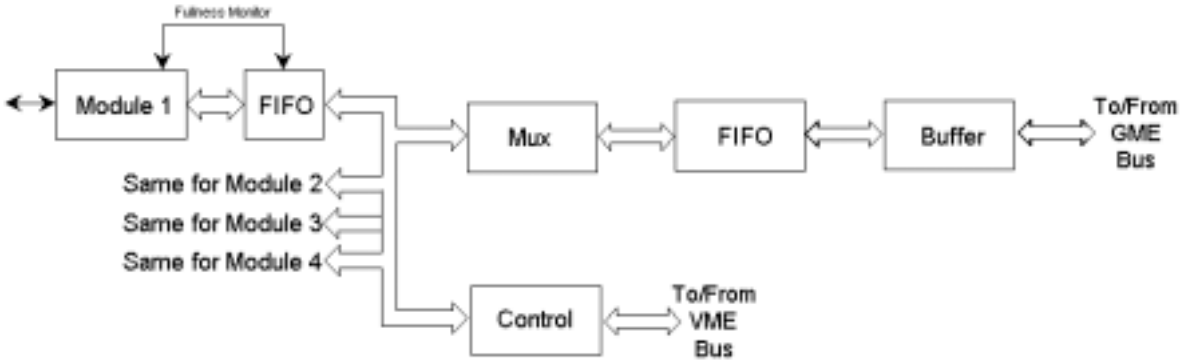


- **Supports Analog, PCM, RS-232, RS-422, Parallel, Voice, and MIL-STD-1553B**
- **Support Timing Accuracy's to 1 Microsecond**
- **Up to 60 Data Channels per System**
- **Throughput to 512 Million Bits/Second**

Introduction

The Quadraplex Input/Output motherboard supports a wide array of "personality" modules for signal input and DATA reconstruction. This motherboard/daughterboard architecture supports easy configuration, allowing quick and easy selection of input signal type and data rates. The 6U VME Quadraplex card has four connectors onboard to receive the series of submodules for both analog and digital signals, up to 25 million samples/second, as well as computer formats such as RS-232 and MIL-STD-1553B.

The dynamic memory-mapping system onboard the Quadraplex card maximizes system throughput by constantly adjusting overhead for efficiency and in support of programmable data reconstruction timing. The input/output of the Quadraplex also supports both mux/demux operations and mux/computer-read operations, offering the user today's operations with tomorrow's technology architecture.



All specifications subject to change without notice.

Inputs	Data Input	4- to 32-bit data, 4- to 16-bit tag from GME Bus
	Operating Range Card	Up to 480 Mbps
	Operating Range/System	Up to 512 Mbps
	Maximum Cards/System	Up to 15 per system
	Output Sources	Up to 4 IMUX submodules
	Data Reproduction	PCM to 20 Mbps
		Analog to 1 MSPS
		Parallel to 10 MSPS
		RS-232 to 38.4 Kbaud
		RS-422 to 38.4 Kbaud
		Voice
		MIL-STD-1553B to 1 Mbps
Processing	Data Patterns	Auto-adaptive data sorting
	System Throughput	50 Mbytes per second
Outputs	Sources	Up to 4 submodules
	Data Sources	PCM
		Analog
		Parallel
		RS-232
		RS-422
		Voice
		MIL-STD-1553B
		ARINC 429
		ARINC 626
		Ethernet
	Maximum Cards/System	Up to 15 per system
	Operating Range/Card	Up to 512 Mbps
	Operating Range/System	Up to 512 Mbps
Electrical and Environmental	Form Factor	Single-slot, 6U VME
	Connectors	D-subminiatures
	Indicators	Channel active and FIFO overflow
	Operating Temperature	32 °F- 158 °F (0° - 70 °C)
	Storage Temperature	14 °F - 185 °F (-10 °C - 85 °C)
	Operating Altitude	0 to 10,000 feet (0 – 3,100 Meters)
	Storage Altitude	-1,000 – 20,000 feet (-300 – 6,200 meters)
	Humidity	20 –95% noncondensing
Ordering Codes	QPLX-323	Quadraplex Input/Output Mother Board
	QPLX-325	Quadraplex Input Only Mother Board

Artisan Technology Group is an independent supplier of quality pre-owned equipment

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