CPCI-MDB64 *MetraBus Driver Board for CompactPCI Computers*

Features

- Fully CompactPCI compatible
- Controls or monitors up to 512 digital or 256 analog I/O points per CPCI slot
- On-board counter timer for interrupts or watchdog timer applications
- Easy to use, fully plug-and-play
- High speed parallel data transfers
- New state-machine timing generation
- Low cost
- Drives MetraBus cables as long as 100 feet

Functional Description

The CPCI-MDB64 driver board is the primary control center of a CompactPCI-based MetraBus system. The CPCI-MDB64 board controls all I/O operations between the computer and MetraBus I/O boards. The board generates all timing and control signals, and controls all system-level data and address transfers. A single CPCI-MDB64 can address up to 64 MetraBus I/O boards (up to 512 digital or 256 analog I/O points).

The CPCI-MDB64 series boards may be installed in any compatible CPCI expansion slot. A 50-pin connector extends through the rear of the computer and connects to the MetraBus 50-pin ribbon cable. The MetraBus uses parallel bus architecture with the MetraBus cable carrying all data, address, and control signals.

The CPCI-MDB64is fully plug-and-play and does not require any user hardware configuration. Programming CPCI-MDB64 based MetraBus systems is very easy using direct I/O reads and writes, via ComputerBoards' Universal Library or by using SoftWIRE, DAS Wizard or a wide variety of third party application software packages

Ordering Guide

CPCI-MDB64 MetraBus Driver Board for CompactPCI Computers

PC104-MDB64 *MetraBus Driver Board for PC/104-Bus Computers*

Features

- Fully PC/104 compatible
- Controls or monitors up to 512 digital or 256 analog I/O points perPC/104 slot
- Easy to use
- High speed parallel data transfers
- New state-machine timing generation
- Low cost
- Drives MetraBus cables as long as 100 feet

Functional Description

The PC104-MDB64 driver board is the primary control center of a PC/104-based MetraBus system. The PC104-MDB64 board controls all I/O operations between the computer and MetraBus I/O boards. The board generates all timing and control signals, and controls all system-level data/address transfers. A single PC104-MDB64 addresses up to 64 MetraBus I/O boards (up to 512 digital or 256 analog I/O points).

The PC104-MDB64 series boards may be installed in any compatible PC/104 expansion slot. A 50-pin connector extends through the rear of the computer and connects to the MetraBus 50-pin ribbon cable. The MetraBus uses parallel bus architecture with the MetraBus cable carrying all data, address, and control signals.

The PC104-MDB64 is easy to install. A single DIP switch selects the board's base I/O address. Programming PC104-MDB64 based MetraBus systems is very easy using direct I/O reads and writes, via ComputerBoards' Universal Library or by using SoftWIRE, DAS Wizard or a wide variety of third party application software packages

Ordering Guide

PC104-MDB64 MetraBus Driver Board for PC/104 Computers