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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
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Expert team | Trust guarantee | 100% satisfaction

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Find the *Matrix MD-DIO* at our website: ***Click HERE***

MD-DIO
MX-DIO
MR-DIO

96 Line I/O
Four 24-Bit Ports

- 48 or 96 Lines of Digital I/O
- Double-Height (6U) Board with Right-Angle Latching I/O Connectors
- Lines Configurable as Latched Input or as Output with Readback
  Output Lines Can Sink up to 24 mA
- Hysteresis on all Input Lines
- Metastable Hardened Latches
- Address Mapping Granularity of 256 Bytes
- Up to 16 Interrupt Sources
- Programmable Priority or Polled Interrupt Modes
- Software-Controlled Input Polarity and Masks for Interrupts
- Programmable Interrupt Level and Vector
- MR-DIO Designed to Meet MIL-STD-810E Vibration and Shock Methods 514.4 and 516.4
- Industrial, Extended Temperature, and Rugged Versions Available

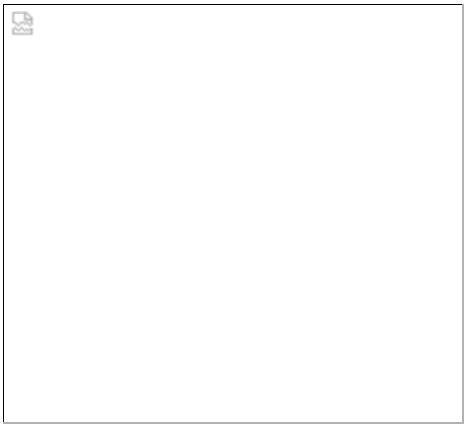
Up to 96 Data Lines
The DIO provides either 48 or 96 lines of TTL I/O. Each input line has a minimum of 0.4V of hysteresis to ensure accurate readings in an electrically noisy environment or whenever the signals change slowly.

Powerful Programmability
Using the Direction Control Registers (DCRs), the data lines of the DIO are configured by software to be either input or output lines. The DCR allows the direction of a single line to be specified, eliminating wasted I/O lines. All on-board control, interrupt, and data registers are directly addressable from the VMEbus, providing an efficient software interface with minimal system delays.

Intelligent Interrupting
The DIO has 16 lines which serve as interrupt sources. Each of these lines can be individually masked and configured for interrupting on high-going or low-going edges. Users can choose between priority or polling interrupt modes. The priority mode provides a vector offset with the binary address of the highest interrupt generating line. The polling mode generates a generic vector, allowing the user to read a secondary register to determine the causes of the interrupt. With programmable interrupt-source capability, the DIO easily manages applications requiring priority servicing.

Environmental Classes
The DIO is available in three versions: industrial (MD-DIO), extended temperature (MX-DIO) and rugged/extended temperature (MR-DIO) versions. Both the MX and MR versions are designed, tested, and guaranteed to perform dependably in environments from -40ç to +85çC. The MR version also withstands extreme shock and vibration.

Software Support
Real-time operating systems are supported by MATRIX and third-party resources. Contact MATRIX for assistance with software selection.



Click here to download this data sheet as an Adobe Acrobat PDF file.

Can't find what you're looking for? Contact us for engineering and design support.

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We're here to make your life easier. How can we help you today?

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