

ARTISAN®
TECHNOLOGY GROUP

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

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Diamond Systems ONYX-MM-DIO* at our website: ***Click HERE***

ONYX-MM-DIO

Low-Cost 48-Line Digital I/O PC/104 Module



- 48 digital I/O lines
- Programmable port directions
- All lines power up in input mode
- Dual 50-pin I/O headers
- Low cost
- Software and technical manual included

DESCRIPTION

If you're looking for a basic 48-line digital I/O PC/104 module, then Onyx-MM-DIO is what you need. This module is the same as our Onyx-MM digital & counter/timer module but without the counter/timer and interrupt circuitry. This board still has the quality and attention to detail of our other modules, such as: 10K Ohm pull-up resistors on all I/O lines; all ports reset to 0 on power-up or system reset; connector pinouts compatible with our other digital I/O boards; and free software.

The 48 digital I/O lines on Onyx-MM-DIO are based on 2 82C55 ICs. They can be programmed for input or output in groups of 8 lines. Direct as well as strobed (latched) I/O modes are supported, and all I/O lines are connected to 10K Ohm pull-up resistors.

ORDERING INFORMATION

Part No.	Description
OMM-DIO-XT	Onyx-MM 48 Digital I/O only Extended Temperature

FOR MORE INFORMATION

Diamond Systems Corporation
1255 Terra Bella Avenue
Mountain View, CA 94043
Tel: 650-810-2500
Fax: 650-810-2525
techinfo@diamondsystems.com

SPECIFICATIONS

Digital I/O lines	48 programmable direction
DIO Input voltage	Logic 0: -0.5V min, 0.8V max Logic 1: 2.0V min, 5.5V max
DIO Output voltage	Logic 0: 0.0V min, 0.4V max Logic 1: 3.0V min, Vcc-0.4V max
Programmable I/O Output Current (Max per line)	±2.5mA per line
Fixed I/O and Counter / Timers Output Current	N/A
Counter / Timers	3, 16-bit based on 82C54 (Onyx-MM only)
Clock	10Mhz
Bus Interface	PC/104 (8-bit ISA)
Dimensions	3.55" x 3.775" (90mm x 96mm)
Input Power	+5VDC±10%
Power Draw (typical)	100mA (Onyx-MM-DIO) 120mA (Onyx-MM)
Operating temp	-40°C to +85°C
Weight	2.3oz / 65g (Onyx-MM-DIO) 2.8oz / 79g (Onyx-MM)
Digital I/O lines	48 programmable direction
DIO Input voltage	Logic 0: -0.5V min, 0.8V max Logic 1: 2.0V min, 5.5V max
DIO Output voltage	Logic 0: 0.0V min, 0.4V max Logic 1: 3.0V min, Vcc-0.4V max

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

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

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

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

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP