

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

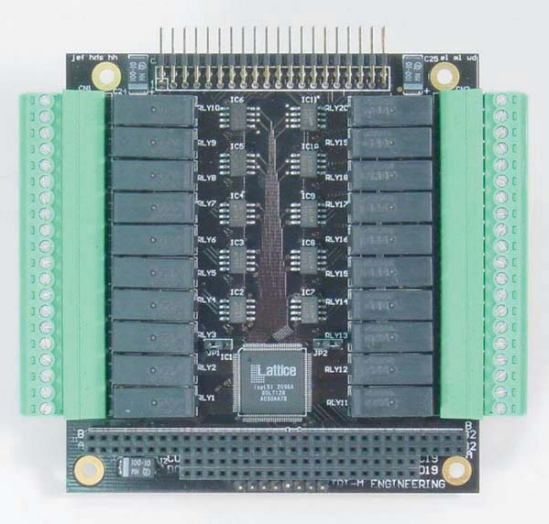
All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*

DIAMOND SYSTEMS CORPORATION

IR-104

High Density Optoisolated Input + Relay Output PC/104 Module



- 20 optoisolated digital inputs
- 20 SPST Relay outputs
- Inputs accept 3-24V AC or DC
- Outputs switch up to 5A @ 250VAC
- Detachable connectors for relay contacts

DESCRIPTION

IR-104-PBF is a high-density PC/104 format digital I/O module designed for industrial applications requiring isolation between the computer and the external signals it is monitoring and controlling. This module features 20 optoisolated digital inputs and 20 relay outputs. Each input can accept both AC and DC voltages as low as 3V and as high as 24V.

The optocoupler inputs are located on a pin header at the top of the board, while the relays feature quick-disconnect terminal blocks (10 relays per block) that accept wire ranging from 14-28AWG. The board will operate in ambient temperatures ranging from -25 to +70C.

Note: The maximum component height on this board is .492", slightly higher than the PC/104 standard of .435". This extra height will usually not be a problem unless the board stacked directly above the IR-104-PBF has components mounted on the bottom of the board or through-hole pins that exceed .043" in height. In this case you can mount the IR-104-PBF on the top of the stack.

ORDERING INFORMATION

Part No.	Description
IR104-PBF	20 relays + 20 Optoisolated Inputs

SPECIFICATIONS

Feature	IR-104
# Relays	20
Relay type	SPST (form A)
Max DC Power	30VDC / 5A
Max AC Power	125VAC / 5A
Max Load	150W / 1250VA
Max Op Voltage	150VDC, 250VAC
Contact Resistance	30mΩ initially
Relay lifetime	20,000,000 operations
Actuation Time	6ms operate, 3ms release
Opto inputs	20
Input Voltage	3V-24V DC or AC
Input impedance	2.8KΩ
Dimensions	3.55" x 3.775" (90mm x 96mm)
Input Power	5VDC
Operating temp	-20°C to +70°C
Weight	3.2oz / 90g

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

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