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 *Curtiss-Wright / Systran IP-IROA16CX-64 / BHAS-RELAY16* at our website: *Click HERE*



PRODUCT DATASHEET

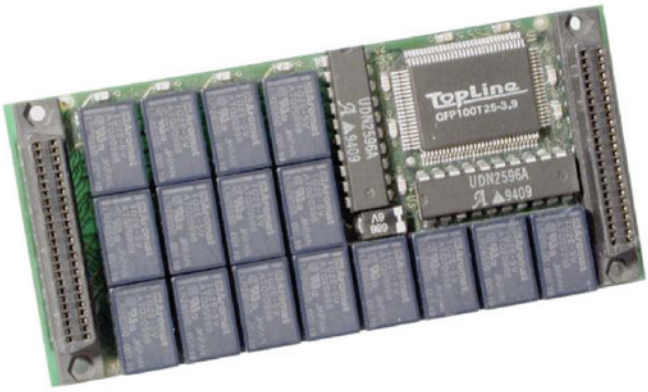


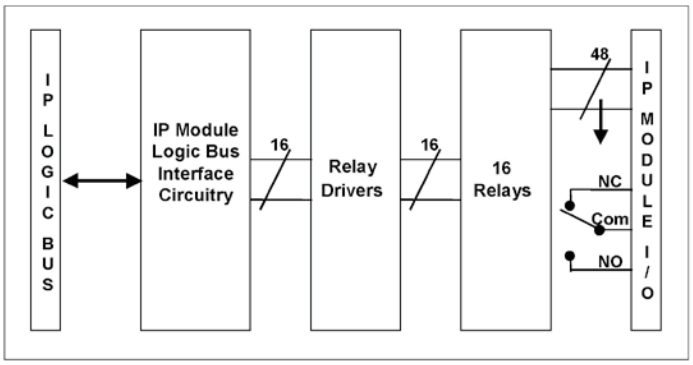
I/O Solutions

IP Modules – Discrete Output

RELAY16 – 16-Channel, Electro-Mechanical, Form-C Relay IP Module

The RELAY16 is the highest density, 16 form C relays, IP Module available. In addition, all of the relay channels on the RELAY16 can be changed simultaneously with a single access, which significantly reduces software overhead. Its modular design provides up to 80 discrete outputs through a single VME slot using the VMESC5 carrier or up to 96 relays through a single PC slot using the ISASC6 carrier. The RELAY16 can also be mixed with other IP Modules for a more customized, modular I/O system solution.





Application Features

- Highest density, form C, 1 Amp, relay card available.
- All relay channels can be changed simultaneously; group read/write access capability increases system speed.
- Relays are UL/CSA rated, with good vibration and shock specifications.
- Relays use permanent magnet polarization architecture.
- A pair of DPDT contacts in parallel per relay minimizes bounce and (apparent) contact resistance.
- Integrated transient suppression diodes for minimum supply noise.
- Applications include relay forms A-L and U-Z.



Specifications

- Physical Dimensions: 1.800" x 3.900" x 0.303" (45.72 mm x 99.06 mm x 7.70 mm)
- Weight: 1.87 oz. (52.36 grams)
- Hardware Compatibility: American National Standard for IP Modules (ANSI/VITA 4-1995)
- Mechanical/Electrical Interface: Singlewide IP Module
- IP Transfer Types: (memory & interrupt not supported)
  - I/O: 8- and 16-bit writes, 16-bit reads; No wait states, hold states supported
  - ID: 8-bit read only; No wait states, hold states supported
- Electrical Requirements: All Relays OFF: +5 Vdc @ 58 mA (typ.), All Relays ON: +5 Vdc @ 476 mA (typ.)
- Operating Temperature: 0° to +70° C (+32° to +158° F)
- Storage Temperature: -40° to +85° C (-40° to +185° F)
- Humidity (non-condensing): 5% to 95%
- Operating Vibration: 10 G's RMS, 10-55 Hz random
- Operating Shock: 50 G's max.
- Operating Altitude: 10,000 ft.
- MTBF: 37,480 hrs. per MIL-HDBK-217F
- Contact Ratings: 30 W, 62 VA switching power
- Switching Voltage: 110 Vdc,125 Vac
- Switching Capabilities: 10 µA @ 10 mVdc (min.) to 1 A (max.)
- Make and Break Time: 3 ms (max. including bounce), 1.5 ms (typ.)
- Contact Bounce Time: Break = 0 ns (typ.), Make = 250 µs (typ.)
- Contact Breakdown (Open): 750 Vrms
- FCC Surge Voltage (Open): 1500 V
- UL Standard: E57521
- CSA Standard: LR26550
- Initial Contact Resistance (6Vdc @ 1 amp): 50 mΩ (max.), 35 mΩ (typ.)
- Contacts: Gold clad on silver

Ordering Information

BHAS-RELAY16: 16 Channel Relay IP Board

RELAY16 PIN ASSIGNMENTS

50	GND	45	RNO14	40	RNC13	35	RCOM11	30	RNO9	25	RNC8	20	RCOM6	15	RNO4	10	RNC3	5	RCOM1
49	Not Used	44	RCOM14	39	RNO12	34	RNC11	29	RCOM9	24	RNO7	19	RNC6	14	RCOM4	9	RNO2	4	RNC1
48	RNO15	43	RNC14	38	RCOM12	33	RNO10	28	RNC9	23	RCOM7	18	RNO5	13	RNC4	8	RCOM2	3	RNO0
47	RCOM15	42	RNO13	37	RNC12	32	RCOM10	27	RNO8	22	RNC7	17	RCOM5	12	RNO3	7	RNC2	2	RCOM0
46	RNC15	41	RCOM13	36	RNO11	31	RNC10	26	RCOM8	21	RNO6	16	RNC5	11	RCOM3	6	RNO1	1	RNC0

Artisan Scientific - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisan-scientific.com



Contact Information

To find your appropriate sales representative, please visit:

Website: www.cwcembedded.com/sales

Email: sales@cwcembedded.com

For technical support, please visit:

Website: www.cwcembedded.com/support1

Email: support1@cwcembedded.com

The information in this document is subject to change without notice and should not be construed as a commitment by Curtiss-Wright Controls Inc., Embedded Computing (CWCEC) group. While reasonable precautions have been taken, CWCEC assumes no responsibility for any errors that may appear in this document. All products shown or mentioned are trademarks or registered trademarks of their respective owners.

© Copyright 2006, Curtiss-Wright Controls Embedded Computing.
All Rights Reserved. MKTDS-IO_Sol_RELAY16-091506v1

Artisan Scientific - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisan-scientific.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