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Find the *Curtiss-Wright / Systran TRIDO48* at our website: ***Click HERE***

I/O Solutions™

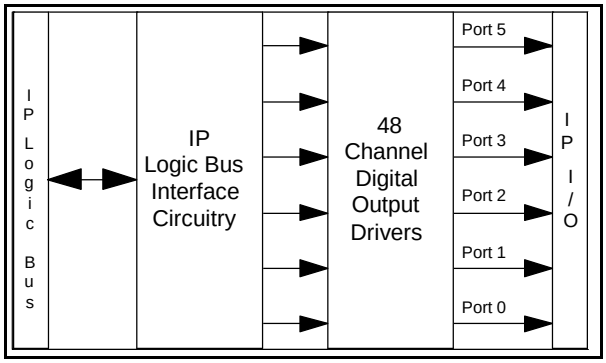
IPack Modules — Digital Output

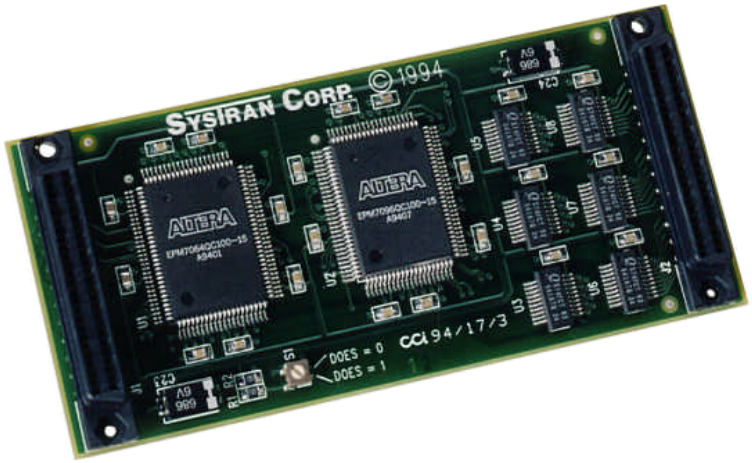
TRIDO48 — Tristateable, 48-Channel Digital Output IPack Module

The TRIDO48 is a general-purpose digital output interface that provides the user with both software and hardware control and status options for easier system integration. Its modular design provides up to 240 digital outputs through a single VME slot using the VMESC5 carrier or up to 288 outputs through a single PC slot using the ISASC6 carrier. The TRIDO48 can also be mixed with other IPack modules for a more customized, modular I/O system solution.

Application Features:

- Hard drive capability without adding an external buffer in most applications.
- Pinouts enable PC board compatibility with common 48 digital output cards. This allows you to drive devices such as LEDs and relay racks.
- The board is tristateable which enables you to form your own customized bus.
- Pulse Output signals provide port updates for event signaling. This can be used to perform board-level
- diagnostics and system synchronization.
- User-configuration switch to help you determine the board state on power-up.





Specifications:

- Physical Dimensions: 1.800 " x 3.900 " x 0.303 " (45.72 mm x 99.06 mm x 7.70 mm)
- Weight: 0.992 oz. (28.12 grams)
- Hardware Compatibility: IndustryPack Logic Interface Specification, Rev. 0.7.1
- Mechanical/Electrical Interface: Singlewide IPack module
- IPack Transfer Types: (memory & Interrupt not supported)
  - I/O: 8- and 16-bit writes, 16-bit reads; No wait states, hold states supported 8 read/write bytes total
  - ID: 8-bit read only; No wait states, hold states supported
- Electrical Requirements: +5 Vdc @ 119 mA (typ., no load)
- 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, 20-2000 Hz random
- Operating Shock: 50 G's max.
- Operating Altitude: 10,000 ft.
- MTBF: 2,592,017 hrs. per MIL-HDBK-217F
- Port Drivers: TTL Compatible
  - Source Rating: -15 mA
  - Sink Rating: 64 mA
- High Impedance Leakage Control: ±1 µA

Ordering Information:
BHAS-TRIDO48: Tristateable, 48 Channel Digital Output IP Board

TRIDO48 PIN ASSIGNMENTS

50	GND	45	Port 5 Bit 3	40	Port 4 Bit 0	35	Port 4 Bit 5	30	Port 3 Bit 2	25	Port 3 Bit 7	20	Port 2 Bit 4	15	Port 1 Bit 1	10	Port 1 Bit 6	5	Port 0 Bit 3
49	CSIO	44	Port 5 Bit 4	39	Port 4 Bit 1	34	Port 4 Bit 6	29	Port 3 Bit 3	24	Port 2 Bit 0	19	Port 2 Bit 5	14	Port 1 Bit 2	9	Port 1 Bit 7	4	Port 0 Bit 4
48	Port 5 Bit 0	43	Port 5 Bit 5	38	Port 4 Bit 2	33	Port 4 Bit 7	28	Port 3 Bit 4	23	Port 2 Bit 1	18	Port 2 Bit 6	13	Port 1 Bit 3	8	Port 0 Bit 0	3	Port 0 Bit 5
47	Port 5 Bit 1	42	Port 5 Bit 6	37	Port 4 Bit 3	32	Port 3 Bit 0	27	Port 3 Bit 5	22	Port 2 Bit 2	17	Port 2 Bit 7	12	Port 1 Bit 4	7	Port 0 Bit 1	2	Port 0 Bit 6
46	Port 5 Bit 2	41	Port 5 Bit 7	36	Port 4 Bit 4	31	Port 3 Bit 1	26	Port 3 Bit 6	21	Port 2 Bit 3	16	Port 1 Bit 0	11	Port 1 Bit 5	6	Port 0 Bit 2	1	Port 0 Bit 7

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Doc. B-T-SC-SPCSHEET25-A-0-A2 (6/01/01)

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