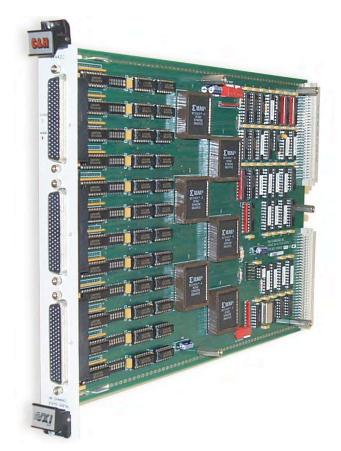


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Specifications:

Input Characteristics:

Device type	74ALS245
V_{IH}	2.0V min
V_{IL}	0.7V max
I _{IH}	20μA max
I_{IL}	-0.1mA max

Output Characteristics:

Device type	74ABT126
V_{OH}	3.0V min
V_{OL}	0.35V max
I _{OH}	-32mA max
I _{OL}	64mA max

Inputs have 100K Ω pull-up resistors, which may have a minor (50 μ A) effect on the input characteristics.

Pull-up resistors on the inputs provide a stable high level for unconnected inputs.

All input (drive) and output (sense) devices are socketed for easy replacement.

I/O Ports:

- I/O divided into six 16-bit ports
- Ports synchronized via common triggers

Trigger Sources:

- · Software board trigger
- Software port trigger
- VXI TTLTRIG signals
- · Front panel signals

Triggers can be applied immediately (rising or falling edge) or delayed from 125ns to 16µs.

Interrupts (programmable):

- IRQ1-7 or disabled
- From any board trigger
- · Rising or falling trigger edge

Connectors:

Three 78-pin metal shell DSUB receptacles (HD-22 w/screwlocks)

Temperature:

Operating: 0°C to 55°C Storage: -40°C to 75°C

Power: +5V @ 1.8 A

VX442C 96 Channel Static Digital

The VX442C module provides 96 channels of general purpose digital input/output with drive/sense/mask with interrupt on failure. Input values can be read on-the-fly or be latched on software command, on receipt of an external trigger, or on a comparison error following a trigger. Data can be latched immediately on a trigger or after a programmed delay. Versatile triggering allows synchronization of multiple boards across the backplane. Interrupts can be generated on the occurrence of a trigger or on a comparison error.

VXIbus Compliance

Complies with VXIbus Spec. Rev. 1.4 for single-slot C-size modules.

Device Type:
Addressing:
Data Transfers:
Memory Space:
Interrupts:
Triggers:
Bus Arbitration:
Register Based
A16
D16 Slave
None
Programmable
Supported
BRx tied to BGx

Applications

- General Purpose Digital I/O
- · Static Digital Test

Ordering Information

Part Number 11028630-0001

Additional Information

User Manuals for C&H carriers and this module can be found on our website at www.chtech.com.