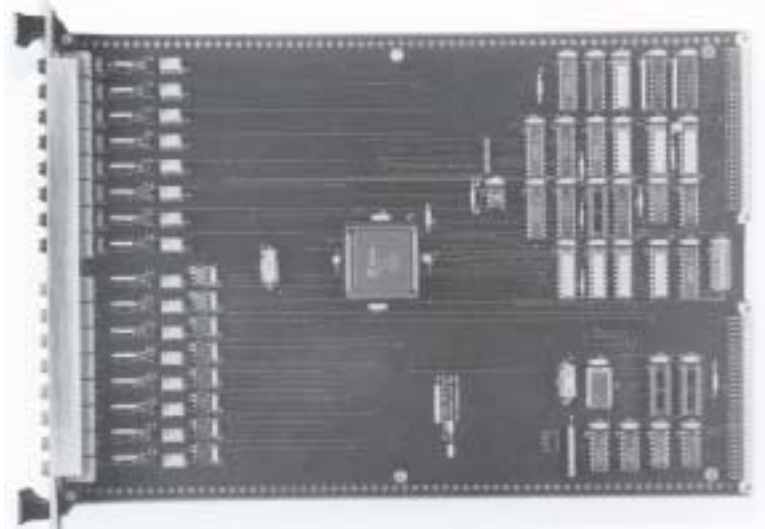


This product is manufactured by C&H Technologies, Inc. and exclusively distributed by Racal Instruments, Inc.

## 8-Bit Fiberoptic I/O Module Model VX431C

The VX431C is a fiberoptic input/output VXI module with 8 drive and 8 receive channels. The module uses the industry standard ST style connector. It features 820 nanometer driver and receiver devices, flexible triggers, and interrupts from the front panel or VXI bus. The VX431C is especially well suited for process/test communications in high electrical noise environments.



### SPECIFICATIONS

#### Output Characteristics

Driver Type: HFBR1412 (HP)  
Wave Length: 820 nm  
Drive Distance: to 2 Km  
Emitter Type: AlGaAs

#### Input Characteristics

Receiver Type: HFBR2412 (HP)  
Wave Length: 820 nm

#### ST Connector Repeatability

Within 0.2 dB typical

#### Specified with PCS Fiber Sizes

50/125  $\mu\text{m}$   
62.5/125  $\mu\text{m}$   
100/140  $\mu\text{m}$   
200  $\mu\text{m}$

#### High Reliability

HFBR devices have a demonstrated MTBF of over 4 million hours @ 40° C

#### Trigger Capabilities

Can operate from TTLTRIG lines  
Can generate VXI TTLTRIG's

#### Interrupts (selectable)

Based on triggers  
IRQ1-7 or Disable

#### Indicators

MOD ID  
BOARD SEL

#### Connectors

ST (16)

#### Power

+5 V @ 2 A (typical)

#### VXIbus Compliance

Complies with ANSI/IEEE Std.  
1014-1987 and VXIbus Rev  
1.4

A16:D16 DTB Slave  
Register based  
Programmable interrupts  
BRX tied to BGX  
Form Factor: C-size  
Built-in test via feedback registers

#### Applications

ATE  
Data acquisition  
Laboratories  
Communications  
Machine control

#### Ordering Information

VX431C 8 Bit Fiber Optic:  
11026620-0001