Racal Instruments

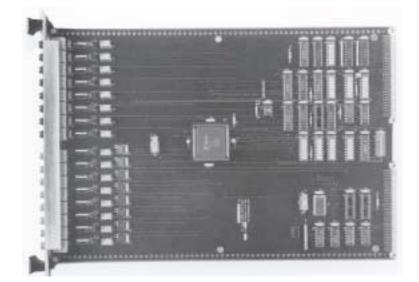
http://www.racalinstruments.com

PRODUCT **INFORMATION**

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.



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 µm 62.5/125 µm 100/140 µm 200 µm

High Reliability

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

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Trigger Capabilities Can operate from TTLTRIG lines Can generate VXI TTLTRIG's

SPECIFICATIONS

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