Racal Instruments

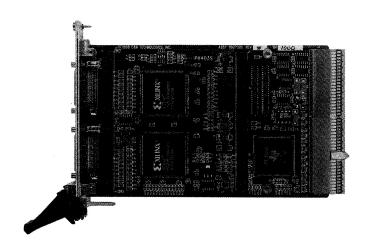
http://www.racalinstruments.com

PRODUCT INFORMATION

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

IndustryPack® Carrier Module Model PX403S

The PX403S is a 3U PXI carrier that provides mechanical and electrical interfaces for two (2) Standard IndustryPack modules (IPs). The carrier provides PXI register configuration and access to the IP's ID PROM, I/O space, and memory (if present). Each IP is controlled separately and appears as a different PCI device number in the system environment. Over 350 different IPs are available that may be used to provide custom interfacing to a unit under test (UUT). Up to two (2) interfaces may be provided in a single 3U PXI slot.



®Registered Trademark of GreenSpring Computers

SPECIFICATIONS

Configuration/Memory Space

Each IP has its own individual set of PCI configuration registers. This allows software applications and drivers to avoid IP control conflicts. Allocated memory is individually selectable depending on the requirements of the installed IP.

IP Strobe Signal/PXI Triggers

PXI triggers are fully supported. Any of the eight bussed PXI triggers or the PXI Star trigger can be software mapped to either IP Strobe signal. IP synchronization can be accomplished by connecting a single trigger to all IPs present.

Interrupt Support

Each IP has separate interrupt support allowing full individual and separate software control of each functional IP. The interrupt release mechanism is IP dependent.

Connectors

Each IP position has an AMP 50 pin CHAMP 0.8mm high-density receptacle. (P/N: 787096-1)

Power

+3.3 V @ 80 mA +5 V @ 330 mA (plus IP's requirements) +/-12 V (IP's only)

Indicators

IP ACCESS (2)

PXI/cPCI/IP Compliance

Complies with PXI Rev. 1.0, cPCI PICMG 2.0 Rev. 2.1, PCI Rev. 2.1, and ANSI/Vita 4-1995 IP spec. 33 MHz/32-bit PCI access 8 or 32 MHz/16-bit IP access Full individual interrupt support PXI bussed trigger and STAR trigger support / IP strobe support Form Factor: Size 3U

Applications

Multiple serial interface types (RS-232, RS-422, ARINC 429, 1553, etc.) in a single PXI slot
Multiple instruments (A-D, D-A, waveform generators, etc.) in a single PXI slot
Data acquisition
PXI ATE "glue" functions for ATE

Ordering Information Carrier Module

3U Size: 11027300-0001



Racal Instruments Inc., 4 Goodyear St., Irvine, CA 92618-2002. Tel: (800) RACAL-ATE, (800) 722-2528, (949) 859-8999; FAX: (949) 859-7139

Racal Instruments Ltd., 29-31 Cobham Road, Wimborne, Dorset, BH21 7PF, United Kingdom. Tel: +44 (0) 1202 872800; FAX: +44 (0) 1202 870810

Racal Instruments France, 18 Avenue Dutartre, 78150 LeChesnay, France. Tel: +33 (1) 3923 2222; FAX: +33 (1) 3923 2225

Racal Instruments SrI, Strada 2-Palazzo C4, 20090 Milanofiori Assago, Milan, Italy. Tel: +39 (0)2 5750 1796; FAX +39 (0)2 5750 1828

RACAL

Racal Instruments GmbH, Technologiepark Bergisch Gladbach, Friedrich-Ebert-Strasse, D-51429 Bergisch Gladbach, Germany. Tel: +49 2204 8442 19