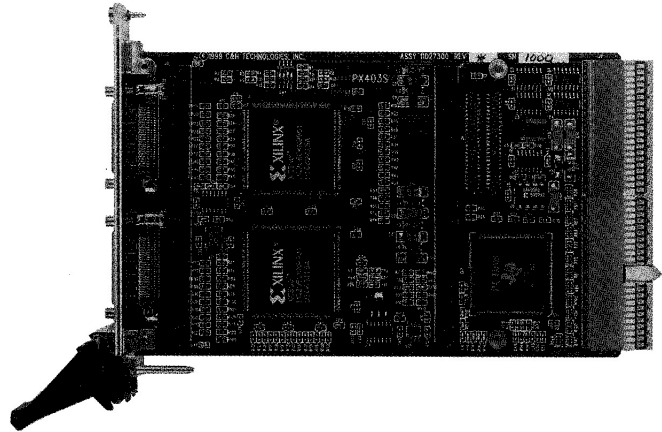


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IndustryPack® Carrier Module Model PX403S

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.



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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