

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

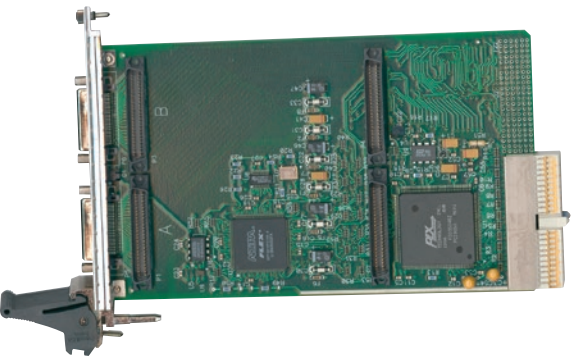
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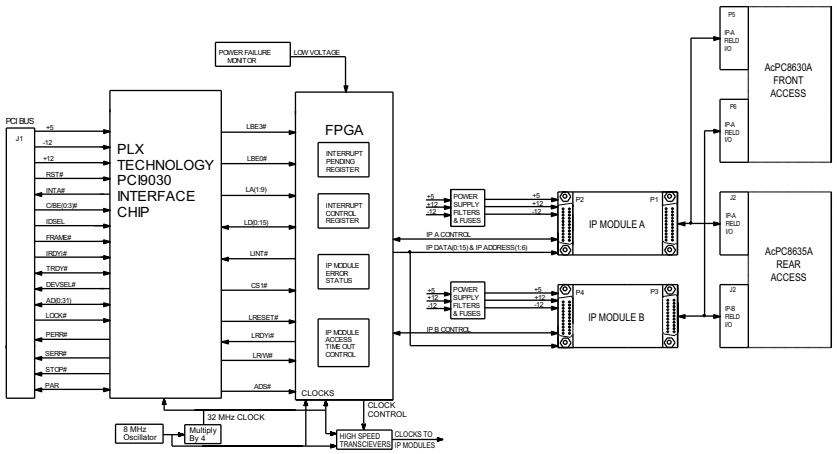
Find the *Acromag / Xembedded / Xycom AcPC8630A* at our website: ***Click HERE***

Industry Pack Carrier Cards

AcPC8630A CompactPCI Carrier Cards for Industry Pack Modules

24 HOUR STOCK ITEM — 2 YEAR WARRANTY





Two Industry Pack mezzanine module slots ◆ Non-Intelligent carrier card ◆ CompactPCI bus interface

Description

The AcPC8630A is a non-intelligent slave board that interfaces two IP modules to the CompactPCI® (cPCI) bus. All 100 I/O points are brought out the front connectors for easy cable access.

Key Features & Benefits

- Two industry-standard IP module slots
- Board resides in memory space
- Supports 8 and 32MHz operation
- Supports IP module I/O, ID, INT, and MEM spaces
- 100 I/O points with front access
- High-density front connectors
- Compatible with all CompactPCI CPUs
- Compatible with 32-bit and 64-bit CompactPCI® and PXI™ backplane
- Plug-and-play carrier configuration and interrupt support
- Two interrupt channels per IP module
- Front panel LEDs
- Supervisory circuit for reset generation
- Individually filtered and fused power to each IP
- Ruggedized with ESD strip and EMC front panel
- Easily integrate IPs with your software using RTOS VxWorks, Linux, or Win DLL for Windows® 2000/XP/Vista/7 32-bit systems.
- Easy access to I/O cables.
- Quick development of custom I/O boards.
- Flexibility to mix and match I/O functions as requirements change.

Acromag® THE LEADER IN INDUSTRIAL I/O

Tel 248-295-0310 ■ Fax 248-624-9234 ■ solutions@acromag.com ■ www.acromag.com ■ 30765 Wixom Rd, Wixom, MI 48393 USA

Industry Pack Carrier Cards

AcPC8630A CompactPCI Carrier Cards for Industry Pack Modules

Performance Specifications

General

Acromag's carrier boards provide full data access to the IP module's I/O, ID, interrupt and memory spaces. With full access to the IP module's programmable registers, you can easily configure and control their operation from the CompactPCI bus.

Up to two interrupt requests are supported for each IP module. All board interrupts are mapped to PCI bus INTA# signal.

Individual passive filters on each IP power supply line provide optimum filtering and noise isolation between the IP modules and the carrier board.

IP Compliance (ANSI/VITA 4)

Meets IP specs per ANSI/VITA 4-1995 (8MHz and 32 MHz operation) and IP I/O mapping to the front panel.

Electrical/mechanical interface
Supports single or double size IP modules.

IP Module I/O space, ID space, INT, and MEM space supported.

Interrupts
Supports two interrupt requests per IP module and interrupt acknowledge cycles via access to IP INT space.

CompactPCI bus Compliance

Meets PCI specification
V2.1 and PICMG 2.0, R2.1.

Data transfer bus
Slave with 32-bit, 16-bit, and 8-bit data transfer operation. 32-bit read/write accesses are implemented as two 16-bit transfers to the IPs.

Interrupts
CompactPCI bus INTA# interrupt signal. Up to two requests sourced from each IP mapped to INTA#. Interrupts come from IP modules via access to IP module INT space.

32-bit memory space
Upon power-up the system auto-configuration process (plug & play) maps the carrier's base address (for a 1K byte block of memory) into the PCI bus 32-bit memory space.

Power Requirements

Power
+3.3V (±5%): 300mA maximum.
+5V (±5%): 30mA maximum.
±12V (±5%): 0mA (not used).
Plus IP module load.

MTBF
Contact factory

Environmental

Operating temperature
0 to 70°C (AcPC8630A model)
or -40 to 85°C (AcPC8630AE model).

Storage temperature
-55 to 100°C.

Relative humidity
5 to 95% non-condensing.

Ordering Information

Carrier Cards

AcPC8630A
CompactPCI carrier. Holds two IP modules.

AcPC8630AE
Same as AcPC8630A with extended temperature range.

Accessories

5028-372
Cable, SCSI-2 to CHAMP connection

5028-378
Termination panel, SCSI-2 connector, 50 screw terminals

See www.acromag.com for more information.

Software Development Tools

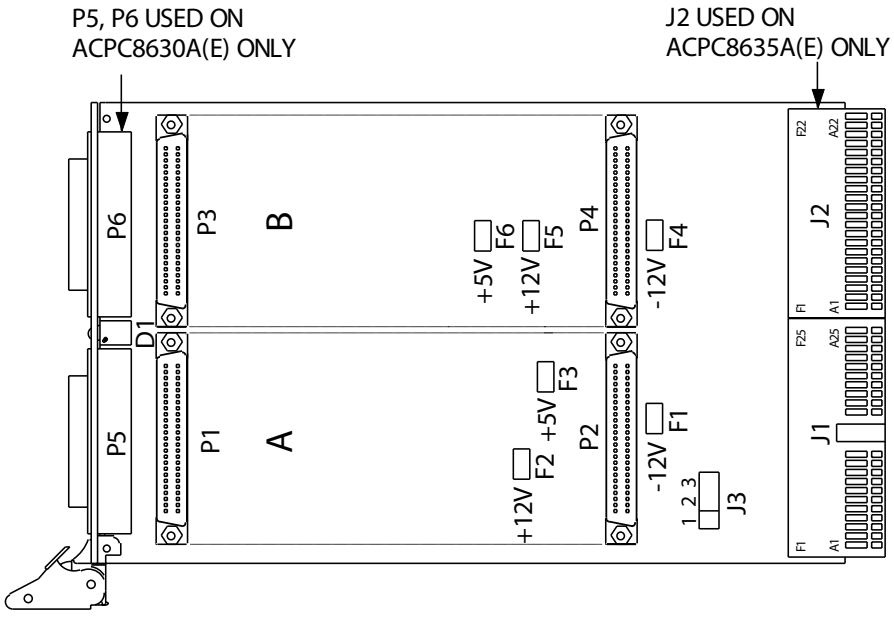
IPSW-API-VXW
VxWorks® software support package

IPSW-API-WIN32
32-bit Windows® DDL driver and demo software

IPSW-API-WIN64
64-bit Windows® DDL driver and demo software

IPSW-API-LINUX
Linux™ support (website download only)

See www.acromag.com for more information.



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AS9100
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Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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