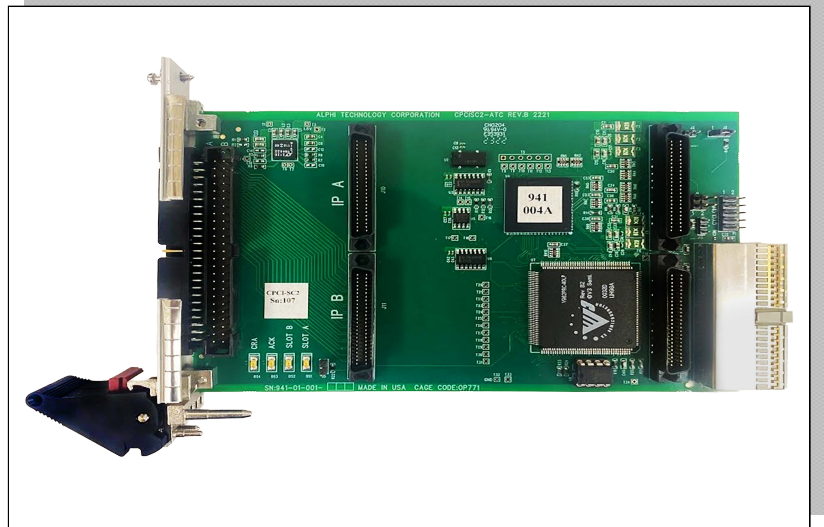


## CPCI Slave Dual Industry Pack Carrier

The CPCISC2 3U module provides a high-performance flexible I/O scheme, that supports industry standard Industry Packs™. For applications requiring low cost, high density I/O or unique combinations, the CPCISC2 is the perfect solution

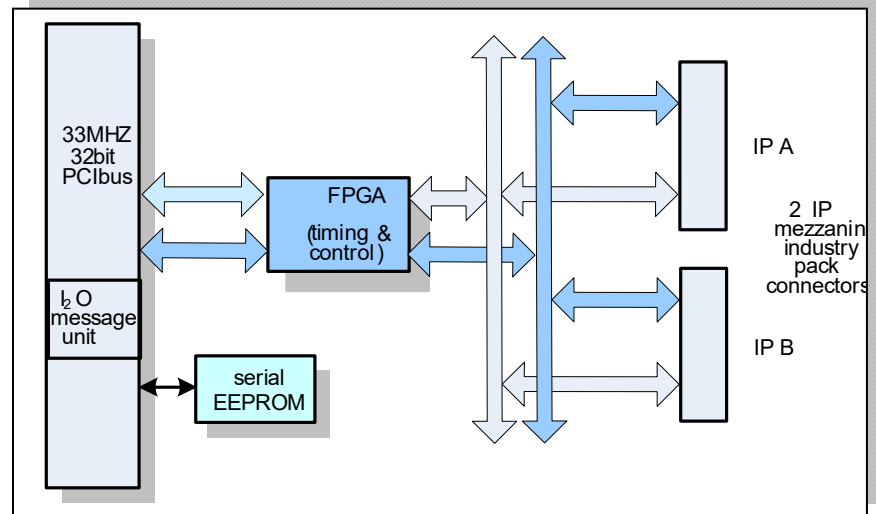
### Features

- Backward compatible with Systran CPCISC2
- Slave dual industry pack carrier, CPCI 3U format
- 5 volts PCI signaling
- Support for up to two IP modules
- 8 MHz IP operation Per slot
- Direct I/O or Memory mapped access from CPCI bus via PCI Chip
- Supports double-wide form factor Industry Pack
- Full interrupt support of host
- Front panel I/O connectors for all IP's
- Up to 100 I/O's on one single slot



### Block Diagram Overview

The CPCISC2 is a 3U format slave Compact PCI (CPCI) bus IP carrier. The CPCISC2 provides mechanical support and the electrical interfaces for two single width IP modules, or one double width IP modules. Multiple CPCISC2 boards may be installed in a single system.



### Available Software Drivers:

- Labview
- Linux
- Window XP

### Applications:

For application requiring low cost, high density I/O or unique I/O combinations, the CPCISC2 is the perfect solution.

**Industry Pack Specifications:**

- Meets ANSI/VITA 4-1995
- 8 MHz synchronous operation
- Supports ID, 128 byte I/O, interrupt. & 8 Mbyte memory spaces
- 2 Interrupts per module
- Two passive DMA channels are possible.
- Hardware self timed per IP module
- Triggered via system reset and software control
- Jumper or software time-out function
- 5, +/-12 volt reset-able fuse per IP
- 8/16 bit data on 3U board, 32 bit on 6U board

**Operating Environment:**

- Operating temperature  
 Commercial: 0 to +70 °C  
 Optional: -40 °C to +85 °C
- Non-operating: -55 °C to +100 °C
- Airflow requirement – 5 CFM
- Humidity – 5 to 90% (non-cond)
- Altitude – 0 to 10,000 feet

**Mechanical Environment:**

- Size – 3U CPCI module  
 100mm x 160mm
- Power – 1 watt
- Vibration – 0.5G, 20-2000 Hz rand
- Shock – 20G, 11 msec, ½ sine
- Weight – 5 ounces
- MTBF – >250,000 hours

**PCI Bus Controller Features:**

**PCI Bus:**

- 32-bit, PCI r2.2 compliant
- Motorola PowerQUICC and generic 32-bit, 33MHz local bus modes
- 5V tolerant bus interfaces
- PICMG 2.1 r2.0
- Zero wait state burst operation, with PCI bus bursts to 264 MB/sec and local bus bursts to 264 MB/sec
- 2 DMA channels
- Direct master data transfers
- Direct slave data transfers

**PCI Bus Control:**

- I<sup>2</sup>O r1.5 messaging unit
- 8 mailboxes and 32 doorbell registers
- PCI arbiter supports 7 external masters
- Host mode reset/interrupt
- Power management event generation support
- Serial EEPROM interface

*\*For a complete list of Industry Packs offered by Alphi Technology please visit our WEB site at [www.alphitech.com](http://www.alphitech.com)*



**Ordering Information:**

CPCISC2-ATC	3U CPCI Slave Industry Pack Carrier with Front I/O only
CPCISC2-ATC-I	Same as above but Industrial temp: -40 °C to +85 °C

**Optional Accessories**

CBL-50-HDR	Cable
TB-50-HDR	Terminal block