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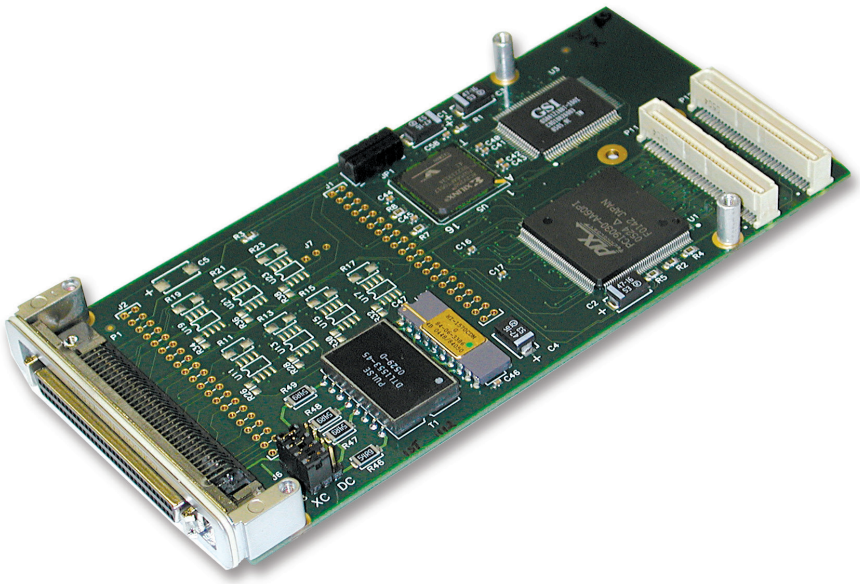
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Find the *Abaco Systems / Condor Engineering P-708* at our website: ***Click HERE***



P-708

ARINC 708 PMC Module

Hardware

The P-708 is a two-channel ARINC 708 weather radar display databus PMC module interface, supporting variable frame sizes for test, simulation and embedded applications. Abaco Systems' provides integrated support for this module on PCI, PCIe, CompactPCI, VME, VXI and native PMC platforms.

Each P-708 supports two ARINC 708 channels (2 Tx or 2 Rx or 1 Rx/1 Tx) simultaneously.

Each P-708 channel operates as an independent transmitter or receiver with programmable frame size and buffer storage capacity. Specialized receive features such as frame timetagging and error detection/ notification of short/long frames, as well as specialized transmit features such as sweep scheduling, programmable frame gap duration, and short/long frame and start/ stop sync error injection are included. With a programmable number of bits per frame, the P-708 is useful for a wide range of 1 MHz Manchester-encoded applications. Both internal and external wrap BIT are provided. The P-708 is provided with a transition cable to two twin-ax cable jacks.

Software

An easy-to-use, high-level software API (Application Programming Interface), is included with support for Microsoft Windows 7 (32 and 64bit), Windows Vista, Windows XP, Windows 2000, Windows NT, VxWorks, Linux, and Integrity. The API is also provided in C source code to facilitate integration into your system.

FEATURES:

- Features
- Two independent ARINC 708 channels
- ARINC 708 record and playback capability
- Programmable number of bits per frame
- Programmable frame data buffer storage
- Concurrent receive and transmit of ARINC 708 frames
- Short/long frame and start/stop sync error injection
- Ruggedized, extended operating temperature range available
- Conformal Coating
- High-level API for Microsoft® Windows® 7 (32 and 64bit), Windows Vista®, Windows XP, Windows 2000, Windows NT, VxWorks®, Linux®, Integrity, and QNX included.
- API routines included in C source code
- Available on multiple platforms (Native PMC, PCI, PCIe, VME, VXI and CompactPCI)

abaco SYSTEMS

P-708 *ARINC 708 PMC Module*

Specifications

Features

- Number of ARINC 708 channels: 2
- Bits per frame: Programmable (limited only by size of buffer)
- Data buffer: Allocatable 1 MByte
- Bus speed: 1 MHz

Receive Features

- Frame time tagging: 48-bit, 1 usec timer
- Error detection: Short/long frame

Transmit Features

- Tx Modes (individual frame, single sweep, multiple sweep, periodic sweep)
- Periodic sweep transmission with programmable rate and frame size
- Error injection: Short/long frame, start/stop sync

Environmental

- Weight: 3.6 oz
- Standard operating temperature range: 0° C to +70° C
- Optional extended operating temperature range: -40° C to +85° C
- MTBF: 304,000 hours (+25° C ambient, ground benign)
- Includes transition cable (from front bezel I/O)

Power (typical)

- +3.3 VDC: 500 mA
- +5 VDC: 50 mA

Warranty

- 2 year limited hardware warranty

Ordering information

P-708	Two channel ARINC 708 PMC Module
P-708-K	Two channel ARINC 708 PMC Card, Conformal Coated
P-708-R	Two channel ARINC 708 PMC Module, Ruggedized, Extended Operating Temp, Transformer Coupled
P-708-C	Two channel ARINC 708 PMC Card, Conductively Cooled, P14/Rear I/O, No Front Panel, Extended Temp (71° C Rail), Conformal Coated.
P-708-3	Two channel ARINC 708 3U CompactPCI Card (PMC On Carrier) With Front I/O
P-708-U	Two channel ARINC 708 PCI Express Card (PMC On Carrier)
P-708-X	Two channel ARINC 708 PCI Card (PMC On Carrier)

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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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