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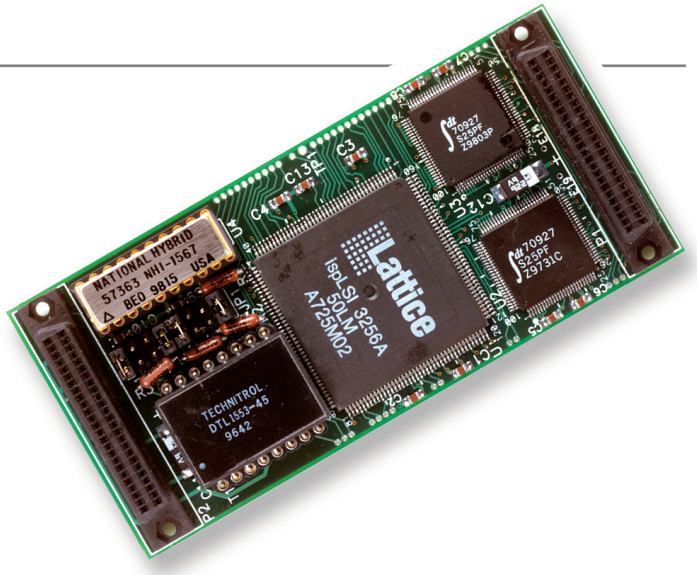
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IP-708

ARINC 708 Interface Module

FEATURES:

- Concurrent ARINC 708 Rx and Tx
- Full featured API for Windows® 7, Windows Vista®, Windows XP, Windows 2000, Windows NT, Windows Server 2008 and Linux® included
- Cross-Platform portability (PCI, PCIe, VME, VXI, and CompactPCI)
- Short and long frame error injection
- Interrupt driven or polled operation
- Large transmit and receive buffers
- Mix 708 on the same board with other protocols (ARINC 429, 561, 573, 717, etc.)
- User programmable base interrupt vector
- C utility routines in source code

The Abaco Systems IP-708 module supports simultaneous receive and transmit of ARINC 708 data on a singlewide IP Module.

ARINC 708 support is available on a wide range of popular hardware platforms including VME, VXI, PCI, PCIe and CompactPCI. Abaco's IP-708 provides an easy to use software interface, large data buffers and an onboard protocol engine to reduce host intervention.

Our high-level software API (Application Programming Interface), is included with support for Windows® 7, Windows Vista®, Windows XP, Windows 2000, Windows NT, Windows Server 2008 and Linux®. The IP-708 is also supplied with a high-level API in C source code to facilitate integration into your system. Interruptdriven (with programmable interrupt vector), and polled operations are supported. There is a 64 Kbyte receive and a 64 Kbyte transmit buffer. Interrupts can be generated upon transmit completion of 64 frames, and after 256 frames have been received. Error detection/notification of both short and long received frames is provided. Short Frame and Long Frame error injection are supported.

Each module has 1 Rx channel and 1 Tx channel. Up to three IP-708 modules are supported in a single slot. IP Modules are industry standard I/O mezzanine cards that mount onto host carrier boards enabling cross-platform portability.

Specifications

Receive / Transmit Features
- Error detection: Short/long frame, start/stop syncv

Receive Buffer
- 64 Kbyte (over 300 frames)

Transmit Buffer
- 64 Kbyte (over 300 frames)

Bus Speed
- 1 MHz

Environmental
- Operating tempurature range: 0°C to +70°C
- Relative humidity: 5 to 90% (non-condensing)

Physical
- 1.8"x3.9" (single-wide IP Module)

Channels
- 1 Rx, 1 Tx

Power
- +5 VDC: 750 mA

Warranty
- 2 year limited hardware warranty

Available Configurations

IP-708	ARINC 708/453 IP CARD WITH 1 RX, 1 TX

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Specifications

- CmdOpt7

Block diagram

Ordering information

Nested

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