ARINC 708 Interface Module

FEATURES

- › Concurrent ARINC 708 Rx and Tx

- › Cross-Platform portability (PC/AT, PCI, 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

See our on-line Commercial Products Configuration Guide for available configurations.

http://www.condoreng.com

The Condor Engineering IP-708 module supports simultaneous receive and transmit of ARINC 708 data on a single-wide IP Module.

ARINC 708 support is available on a wide range of popular hardware platforms including VME, VXI, PC/AT, PCI and CompactPCI. The Condor Engineering 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 XP, 2000, Me, NT, 98 and 95 on specified platforms. The IP-708 is also supplied with a high-level API in C source code to facilitate

integration into your system. Interrupt-driven (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 Buffer

- 64 Kbyte (over 300 frames)

Transmit Buffer

- 64 Kbyte (over 300 frames)

Bus Speed

- 1 MHz

Environmental

- Operating temperature range: 0°C to 70°C

Physical

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

Channels

- 1 Rx, 1 Tx

Bits per frame

- 64 bits control
- 1536 bits data
- 1600 total

Power

- +5 VDC: 750 mA

Warranty: 3 year limited hardware warranty

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