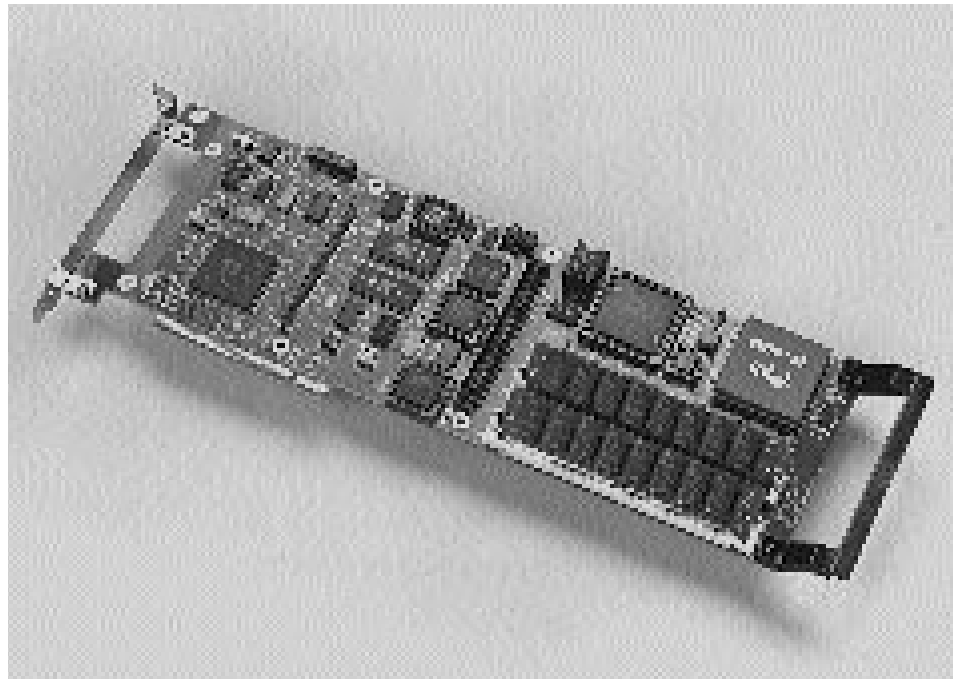




PCI-911 Series of Intelligent PCI Boards

- i960® RISC Microprocessor
Operating at 25 or 33 MHz Local Bus Frequency
- i960 Jx Microprocessor Available in Standard (JF) or Clock Doubled (JD) Versions (PCI-911)
- i960 CF Superscalar Microprocessor (PCI-912)
- 2 to 64 Mbytes of Interleaved Fast Page Mode DRAM Located in Two Angled, Field Upgradeable SIMM Sockets (A version), or
- 2 to 128 Mbytes of DRAM in Four Upright SIMM Sockets (B version)
- 1 or 2 Mbytes of Sectored, In-Circuit Programmable Flash ROM
- Console Serial Port
- Eight Status LEDs
- Squall II Module Interface
- Extended Squall II Module Interface (IIE and IJET)
- Three 16-Bit Counter/Timers (PCI-912)
- Two 32-Bit Counter/Timers (PCI-911)
- MON960 Debug Monitor
- PCI-to-i960 Processor Bridge Device With Two DMA Channels, Mailboxes, and Doorbell Registers

The PCI-911 series is a flexible way of expanding system processing power by offloading I/O tasks from the host processor. The PCI-911 cards can be used as processing engines for a wide range of applications from telecommunications and networking to machine control and robotics. The PCI-911 is available with Intel's i960Jx RISC microprocessors. The PCI-912 is available with Intel's i960 CF Superscalar RISC microprocessors. Features like an on-chip interrupt controller, register cache, large data and instruction caches, and high throughput bus interface make the i960 processor ideal for embedded applications. The PCI-911 series also offers a robust target code development environment. Cyclone uses sectored, in-circuit programmable Flash ROM to facilitate an environment for downloading application code and programming it into the Flash ROM.



Initialization provided by Cyclone resides in write-protected sectors. Development can occur via the serial port or the PCI bus. Cyclone also provides board support packages for pSOSystem and VxWorks real-time operating systems.

The Squall II Module Interface provides I/O expansion and flexibility by allowing users to add different I/O interfaces to the PCI-911 series. Cyclone Microsystems has several off-the-shelf modules available that include: SQ01/82596CA Ethernet Coprocessor; SQ05/10BaseT Ethernet (Big Endian); SQ10/53C710 SCSI-2 (Fast) Coprocessor; SQ11/53C720 SCSI-2 (Fast & Wide) Coprocessor; SQ20/Two RS-422 Ports of T1/E1 Data Rate Serial; and SQ40/20-Bit Differential Input Port with FIFO. The Squall II Module Interface, an open domain, is an enhanced set of the i960 microprocessor's data, address, and control signals. If a custom or unique I/O is required, users are encouraged to build their own modules or contact Cyclone Microsystems for customized modules and boards.

HOST SYSTEMS SUPPORTED:
Any PCI system

PROCESSORS SUPPORTED:
i960 JF, i960 JD, i960 CF Processors

AVAILABILITY:
Now

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