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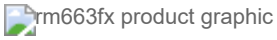
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RM663FX Dual 100BaseFX Ethernet, PCI edge connection



Product Overview

Two 100BaseFX channels are each capable of full duplex operation in 100Mbit. Each of the Ethernet/PCI interfaces includes a powerful DMA engine with very deep FIFO buffers. This assures continuous, full bandwidth operation with minimum PCI overhead. State of the art PCI/PCI bridge couples the Ethernet interfaces to the host PCI bus, assuring high performance with minimum PCI loading. The PCI bus can operate at 66 Mhz.

Features

- PCI edge 66Mhz capable
- Two 100BaseFX
- I/O option for small form factor LC, VF-45 or MT-RJ
- I/O option for SC or ST connectors

Low cost, effective interconnect

Two RM663FX boards can be directly cabled with a simple "cross-over". This configuration creates a full duplex 400Mbit dedicated data path - delivering high bandwidth at very low cost. More complex, dedicated interconnects can be created using a hub or switch. Both point-to-point and switched hubs, in full duplex mode, remove many determinism concerns raised with traditional Ethernet solutions. This makes the RM663FX an excellent candidate for high performance interconnects that require real time determinism.

Software support

GE Fanuc Embedded Systems has software drivers for all the popular operating systems (e.g. VxWorks, HPUX, LynxOS, Digital UNIX, Windows NT, Solaris etc.). These drivers have been carefully designed to fit within the LAN protocol stack of the host operating system. All facilities available from the host OS can be utilized with the RM663FX.

Additional Information

Specifications
NIC Matrix

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