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Find the *Abaco Systems / SBS PMC-100BT-FP* at our website: *Click HERE*

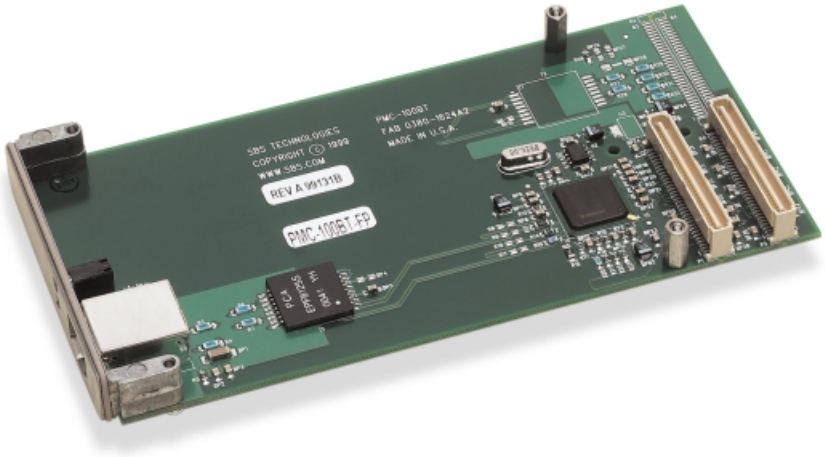
PMC-100BT-FP

PMC with Single Fast Ethernet Interface

I/O & COMMUNICATIONS

Features

- One 10BaseT/100BaseTX Ethernet port
- Front-panel I/O via RJ45
- Single-wide PMC form factor
- Indicators for speed, link/activity
- Auto-negotiating protocol selection
- Two 3 KB FIFOs
- Driver for VxWorks® available



PMC-100BT-FP is a single high-performance Fast Ethernet interface controller port on a single-wide PMC (PCI Mezzanine Card) for expansion in CompactPCI®, VMEbus, and other embedded computer applications.

The Ethernet network interface complies with the IEEE 802.3 specification for 10BaseT and 100BaseTX. Both full-duplex and half-duplex modes are supported. The card is compliant with standard single-wide PMC specifications IEEE P1386.1.

The PMC-100BT-FP includes 3 KB of transmit and 3 KB of receive FIFO allowing back-to-back transmissions with minimal interface latency. It also features a 10BaseT and 100BaseTX auto-detection CDMA/CD interface controller.

The physical interface is supported via the built-in Physical Layer Interface Unit in the Ethernet controller. It supports a number of sophisticated features including auto-negotiation, collision detection, link detection, Manchester encoding/decoding (10BaseT), 4B/5B encoding/decoding (100BaseTX), and scrambling/descrambling (100BaseTX). I/O is via one front-panel RJ45 connector.

The PMC-100BT-FP targets applications that require high-speed data throughput such as embedded telecommunications, network access and data communications.

VxWorks® 5.3/5.4 driver are available.



PMC-100BT-FP

Specifications

Technical Highlights
- Single-wide PMC
- 32-bit PMC Specification IEEE P1386.1 compliant
- Intel 82559ER PCI controller/Ethernet MAC
- Ethernet 10BaseT and 100BaseTX protocols
- Transmit/receive FIFOs with 3 KB each

PCI Interface
- 32-bit, 33 MHz master and slave, PCI Specification, Rev 2.1, universal signalling

Front-Panel I/O Access
- One RJ45 connector

Rear-Panel I/O Access
- None

Power Requirements
- +3.3 VDC at 250mA (typical)
- +5 VDC at 50mA (typical)

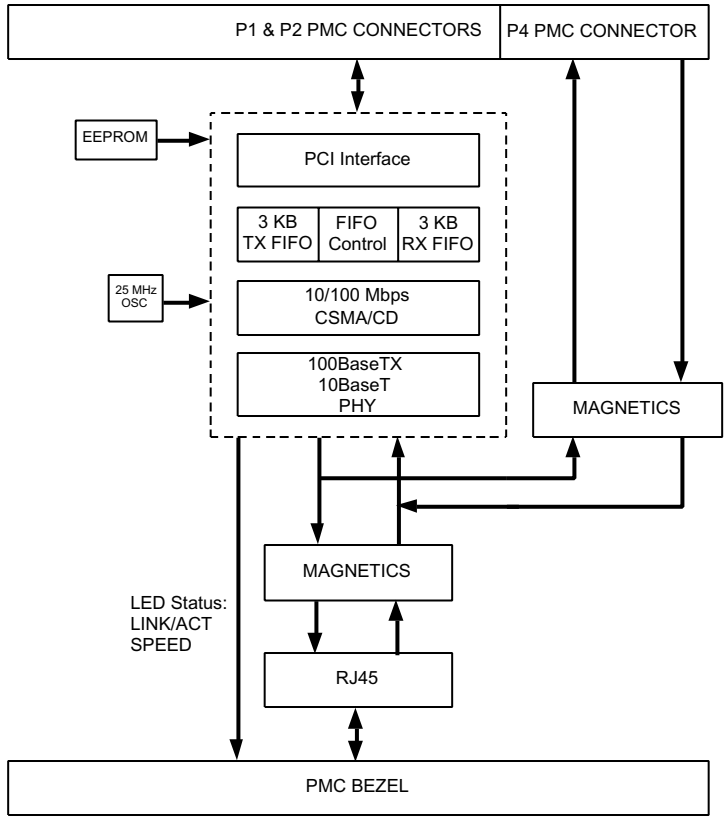
Temperature
- Operating: 0˚ to 70° C
- Storage: -40˚ to 85° C

Humidity
- 5% to 95% non-condensing

Weight
- 0.078 kg (2.75 ounces)

Dimensions
- 74.0 mm x 149.0 mm

Block Diagram



Configurations

Model Number	Configuration
PMC-100BT-FP	PMC with one Fast Ethernet port Front-panel I/O

Software Drivers

- VSRD-FEIEND VxWorks for x86 and PPC driver pack

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