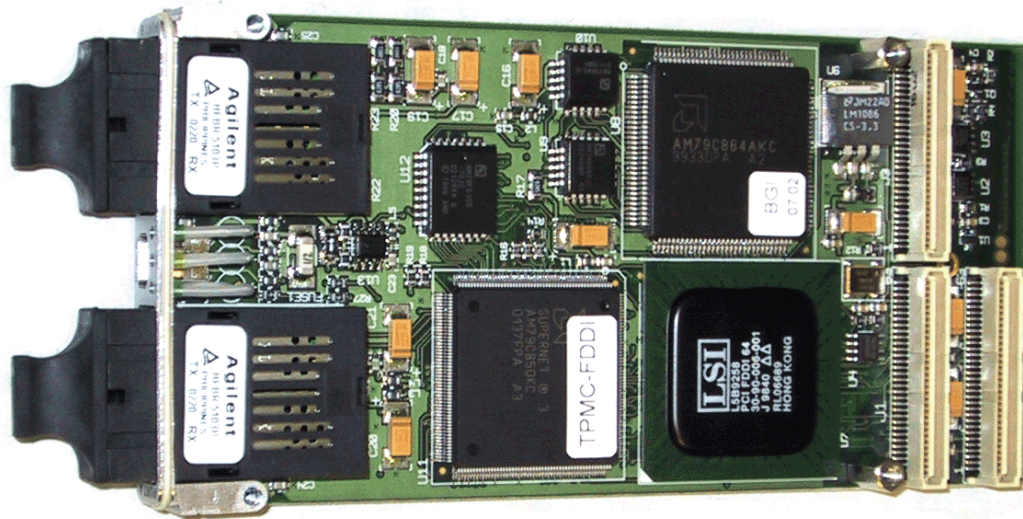


## PMCFD-BRD FDDI PMC module



PMC 2.2 Specification compliant

32/64 bit bus interface master,  
32 bit bus interface target

33/66 MHz bus clock

128 KB buffer memory

Full transfer rate of 528 MB/s  
between PCI local bus and FIFOs

Parity generation at PCI local bus  
interface and internal FDDI data  
paths

ANSI X3T9.5  
Dual Attachment Station

SC connectors for  
fiber optic network

0° to +55°C  
operating temperature

Optional conformal coating

Driver support for LynxOS, Linux

The **PMCFD-BRD** is a highly integrated PMC FDDI network adapter based on the AMD Supernet 3 chip-set on the network side and relying on an ASIC directly interfacing the PCI bus. The data bus master interface is 64 bit wide, operating at 33 or 66MHz and it provides maximum data throughput of the adapter in the FDDI network with low CPU and system bus utilisation. Two SC-Type connectors for multimode optical fibre are present on the front panel and comply to the ANSI X3T9.5 Dual Attachment Station, included in the ANSI X3T12.1 specification. The adapter provides parity generation and checking both at the local PCI bus interface and at the internal FDDI data paths for increased data exchange integrity. The PMCFD-BRD is also available with conformal coating in order to improve the environmental features of the board. Drivers for the most common software development environments are supplied to minimize the integration time.

# PMCFD-BRD

## FDDI PMC module

### SPECIFICATION

**Mechanical,Electrical Interface**  
 PMC Specification IEEE  
 P1386.1 Version 2.2

**PCI Interface**  
 PCI BUS Specification Rev. 2.2  
 compliant, 64 bit data,  
 33/66 MHz

**Memory resources**  
 SRAM: 128 KB  
 FLASH EPROM: 128 KB

**Network Interface**  
 ANSI X3T9.5 Dual Attachment  
 Station with fibre optic SC  
 type connector, included in  
 ANSI X3T12.1

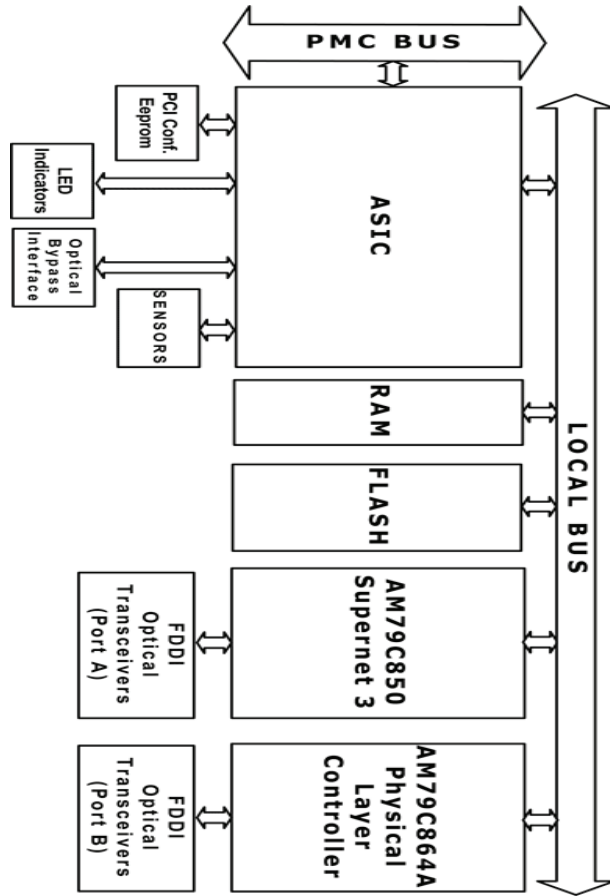
**Network Controller**  
 AM79C850 Supernet 3 chipset

**Operating Temperature**  
 0° to +55° C with air flow  
 1,5m/s (MIL-STD-810F Method  
 501.4 Procedure II)

**Reliability**  
 MTBF:250.000 Hours  
 (MIL-HDBK-217F guidelines)

**Power Requirement**  
 + 5 VDC ( +/- 5%)  
 @ 1200 mA typical

### Block Diagram



### Order Information

Model Number	Description
EHWP-PMCFD-BRD	FDDI adapter, Dual Attachment, 0° to +55°C
EHWP-PMCFD-BRD/C	As above with conformal coating
<b>Related Products</b>	
ESWP-PMFDL-DRV	Driver for LynxOS, one binary copy
Linux Driver already included in standard Linux distribution	