



## Peripheral Component Interconnect Mezzanine Card *(Synchronous Transport Module level-1)*

### Key Features

- PCI 32-bit, 33MHz PMC interface
- Conforms to the ATM Forum recommendations
- High performance Mindspeed™ ATM Controller @ 155 Mbps ATM SAR
- Support for ATM AAL5 and AAL0 Adaptation Layers
- Up to 64 K simultaneous Virtual Connections (VCs) supported
- 4MB on-board memory for ATM
- Optical interfaces for 155 Mbps connectivity
- Serial EEPROM to store PCI configuration information.
- One 10/100 BASE-TX port is terminated to P4 PMC connector
- Cornet API and diagnostic utility
- Device drivers Linux 2.4 & 2.6

Today's networks require scalable, high-performance platforms with the flexibility to allow network capacity to keep pace with customer's demands.

The Cornet C09348B-1 PMC ATM STM-1 Card in PMC form factor provides cost-effective, reliable ATM connectivity at 155 Mbps.

The PMC has been designed especially for high-availability, high bandwidth access applications the application includes IP Switching, Routing, and other applications that require the Quality of Service (QoS) guarantees provided by ATM. The Cornet's PMC STM-1 module can be plugged into any VME, cPCI board.

The Cornet PMC STM1 is designed based on high performance chipset from Mind speed and conforms to ATM forum recommendations.

## Specifications

<b>Architecture:</b>	PMC (PCI 2.3 Compliant) Bus Data Transfer 32-bit, 33 MHz
<b>ATM SAR:</b>	Mindspeed CN8236
<b>ATM SRAM:</b>	4MB
<b>Ethernet:</b>	Intel 10/100 BASE-TX Compatible
<b>Power:</b>	±3.3 V
<b>Dimensions:</b>	Length: 149.0 mm Width: 74.0 mm
<b>Connectors:</b>	SC Optical Connectors
<b>Indicators:</b>	Ethernet Activity
<b>Software Support:</b>	Linux 2.4/2.6

### ATM Features:

- Single SAR
- Two ATM connections
- 155 Mbps optical interface
- Transceivers with SC connectors
- ATM AAL5 or AAL0 connectivity
- Constant Bit Rate (CBR)
- Variable Bit Rate (VBR)
- Unspecified Bit Rate (UBR)
- 64 K Virtual Connections (VCs)
- Link status and software status indicators

### Ethernet Features:

- Intel 82551IT 10/100 Mbps integrated Mac and PHY
- 32-bit 33 MHz PCI 2.1 compliant with universal signaling
- PHY detects polarity, MDI-X and cable length
- XOR tree mode support

## Environment:

<b>Operating Temperature:</b>	-0 °C to +70 °C
<b>Storage Temperature:</b>	-40 °C to +85 °C
<b>Relative Humidity:</b>	5% to 95% non- condensing
<b>Compliance:</b>	ROHS Compliant



ISO-9001:2015 Registered

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