

Features

- Cost Effective, 4 port InfiniBand switch
- Based on Mellanox's MT21108 Silicon
- PCI Rev. 2.2 Compatible Card
 - 64/32 Bit 66Mhz PCI Rev.2.2 Interface
 - Master and Target
 - Universal Card, Supports both 3.3V and VIO
- HSSDC2 Copper Connectors
- SerDes Interface: 2.5V parallel interface operating at 125MHz (SSTL_2). Data is either 10-bit 8B/10B encoded or 8-bit unencoded.
- SerDes Setting, Interrupt routing Reset Generation etc, - Controlled by a CPLD
- Minimum PCB peak to peak Loss: (1% - 2%) – "Via-less" 2.5Gbps traces
- Configuration Loading via the PCI interface or from an EPROM
- Physical Link led indicators
- Low Power.



Software

- Mellanox's system Configuration and diagnostic (Release 1.4.1) software under Linux Mandrake 7.2
 - PCI Interface test
 - Register and Memory Test
 - Internal Loop Back test for IB Link
 - On line configuration and Monitoring (GUI or CLI)
 - Serial EEPROM configuration Utility
 - Static Configuration Utility.
- **Win98/2000 card Access tool available.**

Physical Specifications

- PCB Dimensions : 162 x 107 mm
- Form Factor : PCI 64 bit long form connector
- Weight : 250 Gram



System Requirements

- PC station- No Stand alone option
- Power: 14 Watts

Application

- 4 Port IB Switch
- InfiniBand Fabric to PCI Bridging
- PCI to PCI (P2P) Bridge using IB as Inter Bus Fabric