



Features

- Cost effective, 8 port InfiniBand switch
- Based on Mellanox's MT21108 silicon
- PCI compatible card
 - 64/32 Bit 66MHz Interface
 - Master and Target
- HSSDC2 Copper connectors
- SerDes interface: 2.5V parallel interface operating at 125 MHz (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” 2.5 Gbps traces.
- Configuration loading via the PCI interface or from the EPROM's.
- Low power.

Software

- Mellanox's system configuration and diagnostic software under Linux OS.
 - PCI interface test
 - Registers and memory test
 - Internal loop-back test for IB link
 - On line configuration and monitoring
 - Serial EPROM's configuration utility
 - Static configuration utility
- Win 98/2000 card access tool.



Available Today

Physical Specifications

- PCB dimensions: 162x183 mm
- Form factor: PCI bit long form connector
- Weight: 300 g.

Application

- 8 port IB switch
- InfiniBand fabric to PCI bridging
- PCI to PCI (P2P) bridge using IB as inter bus fabric