

Accessories

Mellanox Technologies

2900 Stender Way • Santa Clara, CA 95054

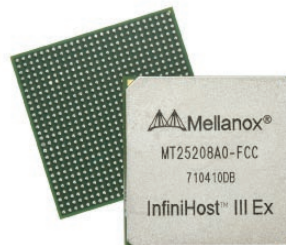
408-970-3400

www.mellanox.com**InfiniHost III Ex**

The Mellanox InfiniHost III Ex is a PCI Express x8 to dual-port 4X InfiniBand adapter family providing high-performance connections to InfiniBand switch fabrics. The flexible architecture supports both low latency clustering as well as applications requiring high throughput and scalable connectivity. The high-performance packet processing core provides concurrent receive and transmit data processing. MemFree Technology enables CPU RAM (instead of locally attached adapter memory) to store connection information. Alternatively, connection information can be stored locally through the 64-bit SDRAM interface. By providing world-class latency and high bandwidth connectivity in a low-power package the family offers the optimal solution for fabric connectivity.

CompactPCI and AdvancedTCA Systems

Resource Guide 2007

**FEATURES**

- › InfiniBand version 1.2 compatible host/target channel adapter (HCA/TCA)
- › Dual 4X InfiniBand ports with integrated SerDes supporting either 10 or 20 Gbps per port
- › PCI Express x8 interface (20+20 Gbps)
- › Remote Direct Memory Access (RDMA) and transport layer processing supported in hardware
- › Supports kernel bypass, de-coupling host CPU for I/O operations
- › Typically consumes 7 W (10 Gbps version) or 10 W (20 Gbps version)