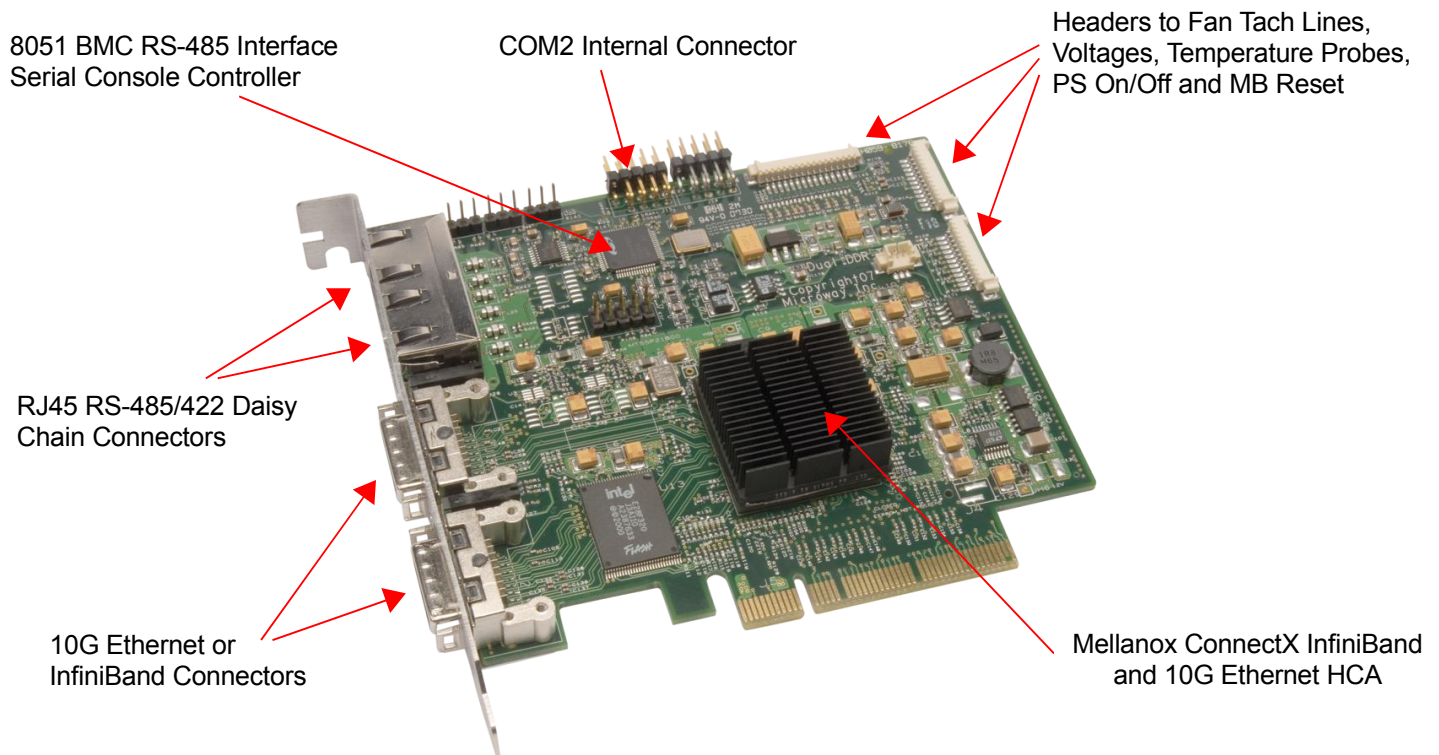


TriCom-X™ InfiniBand HCA

InfiniBand QDR HCA - NodeWatch™ BMC - "Switchless" Serial Console



Microway's TriCom-X™ PCI-E card combines a QDR HCA with the two other special resources needed to effectively manage HPC nodes: a BMC and a "switchless" serial port console interface.

The HCA portion of TriCom-X is available in one and two port models, including the latest version of the product which features Mellanox's 4th Generation ConnectX silicon. This latest HCA silicon from Mellanox delivers 1 microsecond MPI latency along with SDR, DDR and QDR bandwidths.

The BMC is an upgraded version of Microway's NodeWatch™ card which can monitor up to 13 fan speeds, three voltages and five temperatures. It can control motherboard reset and power on/off and even operates when the power to a node is turned off. It communicates over a single daisy chained ethernet cable that supports both a half duplex RS-485 control channel along with a full duplex RS-422 serial channel. MCMS™, Microway's full featured web enabled remote cluster control software package, is included.

The serial console interface converts the node's internal COM2 serial port into RS-422 and can communicate with a master up to 4000 feet away while sharing its RS-422 lanes with up to 256 other nodes running at speeds up to 256K baud. The serial console uses MCMS and is web enabled.

Microway has been delivering unique HPC solutions since 1982. To speak to an HPC expert call 508-746-7341 and ask for technical sales or e-mail sales@microway.com.

