INB-400

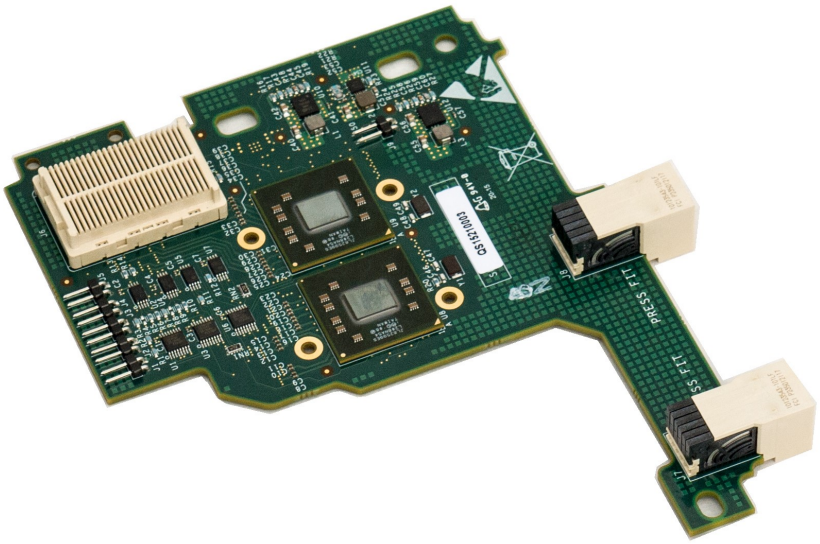
Intel® 4-port 10GB Ethernet Expansion Card (CFFh) for BladeCenter®

SUMMARY

The PARPRO INB-400 is a Quad 10G Ethernet (CFFh) IO expansion card for a BladeCenter® platform. This card provides bandwidth intensive, content rich applications with additional I/O functions or processing expansion options required by many network enterprise and data center organizations today.

Designed for HS22 and HS23 BladeCenter hosts, the INB-400 features two Intel® 82599 Dual 10Gbe controllers, each connected to the BladeCenter host through a x8 Gen2 PCIe interface. The XAUI outputs from the Intel 82599's are connected to the midplane connectors per the BladeCenter IO expansion card specification.

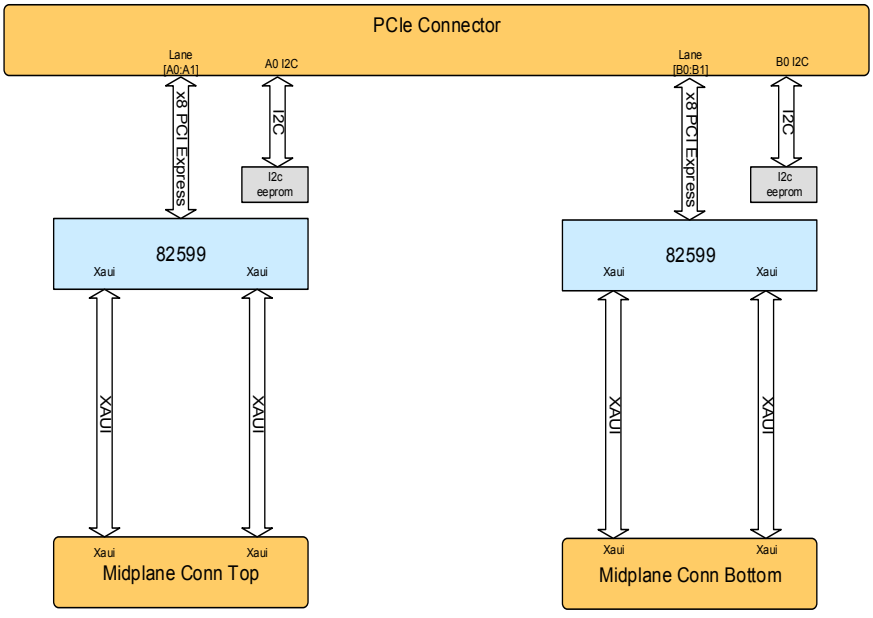
The PARPRO INB-400 was designed with US-based engineering to support customers with sensitive markets.



FEATURES

- BladeCenter IO expansion card
- Dual 10Gbe controllers—Powered by Intel 82599 ASIC
- CFFh form-factor
- PCI Express x8 Gen 2 host interface
- Two full-duplex 10 Gb Ethernet ports that operate in standard physical NIC (pNIC) mode
- Connectivity to high-speed I/O module bays in BladeCenter H and BladeCenter HT chassis
- PXE boot support (option)
- iSCSI BladeBoot (built-in software iSCSI initiator) support (option)
- VLAN tagging support
- Jumbo frames support
- Failover support
- BladeCenter Open Fabric Manager support

BLOCK DIAGRAM



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SPECIFICAITONS

Performance Features	• TCP, IP checksum offload • TCP, segmentation offload • PXE 2.0 remote boot support
I/O Capabilities	Dual PCI Express x8 Gen2 Interface Quad 10G Ethernet
Controller	Intel 82599 ASIC
Mechanical	BladeCenter CFFh IO card form factor
Environmental	Operating temperature range: 5 to 40°C Humidity: 8 to 80% (non-condensing) Typical power consumption: 15W
Servers Supported	The Intel 4-port 10 Gb Ethernet Expansion Card (CFFh) is supported in the following BladeCenter servers: • HS22 • HS23 Others possible, call for more information
Advanced Technologies	*iSCSI boot standard:* • *PXE remote boot* • *VLAN filtering* • *XAUI*
Regulatory	Designed and manufactured to meet the following requirements: • UL and FCC Class A/ • Compliant to the BladeCenter specifications

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