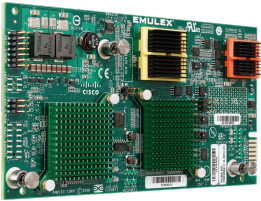




Emulex LP2105-CI Mezzanine CNA for Cisco Unified Computing System

**SIMPLIFIED
NETWORKING,
TRUSTED SAN
INTEROPERABILITY
AND INCREASED
BUSINESS
AGILITY**



The Emulex LP2105-CI is a multi-protocol Converged Network Adapter (CNA) made available in mezzanine card form factor to meet the consolidated connectivity requirements of the Cisco Unified Computing System. The dual-port LP2105-CI mezzanine CNA supports stateless offload of networking traffic and full offload of Fibre Channel protocol processing - thus enabling high performance server connectivity while improving the overall CPU utilization of the server.

Dynamic Bandwidth Management

The Emulex CNA supports provisioning of guaranteed bandwidth for different types of traffic carried over the converged Ethernet link. The capability to support configurable bandwidth to different traffic types enables IT administrators to support “deploy once” model of operation and thus dynamically assign bandwidth as per the requirements of the applications deployed in the server.

Dual-Port 10Gb/s Ethernet Mezzanine Converged Network Adapter

Key features

- This dual-port mezzanine CNA converges multiple traffic types on to a single 10 GbE link
- Leverages seven generations of proven Fibre Channel architectural design
- Supports dynamic allocation of networking and storage bandwidth
- Supports comprehensive server virtualization optimizations for networking and Fibre Channel connectivity including NPIV functionality for scalable server virtualization
- Provides failover and load balancing support for storage and networking stacks
- Integrates with Cisco UCS Manager to centralize configuration and management

Key benefits

- Converged network infrastructure simplifies network connectivity and lowers capital and operational expenses
- Delivers superior performance and efficient host utilization
- Proven interoperability enables investment protection by seamlessly integrating into existing SAN
- Commonality of drivers and tools across CNA and HBA deployments significantly improves efficiency of driver management, retains the existing SAN and networking best practices and improves number of servers managed per administrator
- Improves overall efficiency of the data center operations by enabling adaptive resource management and simplified deployment

Emulex® LP2105-CI



Dual-Port 10Gb/s Ethernet Mezzanine Converged Network Adapter

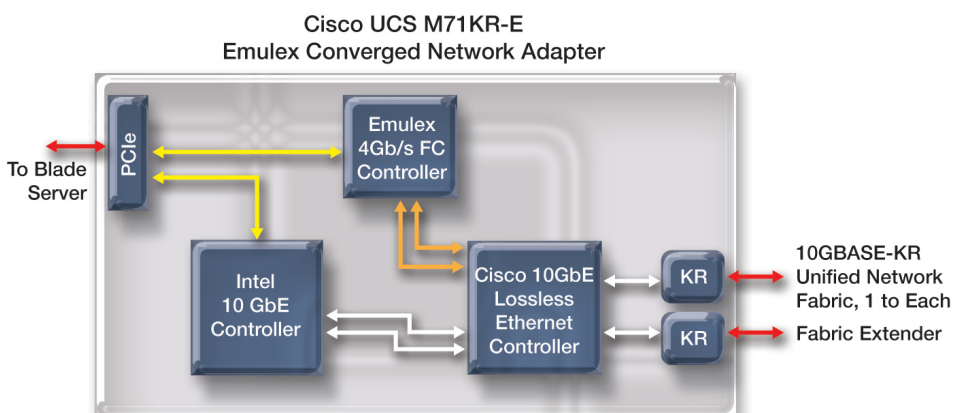
SPECIFICATIONS

Enterprise Trusted Fibre Channel Functionality

The LP2105-CI uses proven silicon, firmware and drivers that leverage seven generations of Emulex Fibre Channel architecture and design improvements. The extensive interoperability of the Emulex CNA facilitates seamless extension of existing SAN infrastructure to the Cisco Unified Computing System platform.

Optimized for Server Virtualization

The LP2105-CI includes support for server virtualization optimizations across networking and Fibre Channel connectivity including support for N-Port ID Virtualization for scalable Fibre Channel connectivity in server virtualization environments. The efficiency of the adapter enables the CPU cycles in the system to be used for deploying more virtual machines per server.



Standards

- ANSI Fibre Channel: FC-BB-5 (draft), FC-PH-3, FC-PI-2, FC-FS, FC-AL-2, FC-GS-4, FC-FLA, FC-SP, FC-PLDA, FC-TAPE and FCP-2
- PCI Express base spec 1.0a
- Fibre Channel class 2 and 3
- IEEE 802.3-2005 10 Gigabit Ethernet

OS Support

- VMware, Windows and Linux

Boot Support

- X86 BootBIOS
- EFI support

Power & Environmental Requirements

- Volts: +12.0V and +3.3V AUX
- Operating temperature:
 - 10° to 35°C System Inlet Temperature
- Storage temperature: -40° to 70°C (-40° to 158°F)
- Relative humidity: 5% to 95% non-condensing

Agency Approvals

- UL recognized to UL 60950-1
- CUR recognized to CSA22.2, No. 60950-1-03
- TUV certified to EN60950-1
- FCC Rules, Part 15, Class A
- ICES-003, Class A
- EMC Directive 2004/108/EEC (CE Mark)
 - EN55022, Class A
 - EN55024
- Australian EMC Framework (C-Tick Mark)
 - AS/NZS CISPR22, Class A
- VCCI, Class A
- BSMI (Taiwan), Class A
- RoHS Compliant (Directive 2002/95/EC)
- China RoHS Compliant

Ordering Information

For ordering the Emulex 10GbE Mezzanine Card for the Cisco Unified Computing System:

- Cisco Part Number: **UCS CNA M71KR-E**



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