



Fully integrated CXL Fabric delivers software-defined composability for the most data-intensive workloads

The HC-5116C-1C is a CXL 2.0 Gen 5 x16 Host Bus Adapter (HBA), engineered for composability to ensure performance and efficiency in software-defined composable systems.

LIQID Matrix® software enables adjusting to real-time business requirements is paramount in the modern data center. LIQID empowers IT administrators to manage, scale, and configure physical bare-metal server systems in seconds and then reallocate core data center devices on-demand as business needs evolve.

Connect the HC-5116C-1C HBA to server motherboard CXL port to enable unprecedented infrastructure adaptivity. Enable hardware disaggregation and software defined composability of CXL memory for unprecedented memory expansion and bare-metal performance.

With CXL memory pooling and sharing resources can now be dynamically configured and reconfigured on demand to create servers perfectly sized with the exact physical resources required by the application.

As a core element of the LIQID composable platform, the LIQID HBA is central to enabling IT administrators to deliver adaptive infrastructure and scale core resources on demand for the world's most data-intensive workloads.

- > Up to 128GB/s at PCIe Gen 5 speeds
- > Requires no additional software

Key Features

- Half-card form factor
- CXL 2.0 Gen5 x16 upstream port
- CXL 2.0 Gen5 x16 downstream port

Specification

Model: HC-5116C-1C Host Bus Adapter

Selection

HC-5116C-1C

CXL 2.0 - Gen 5.0 x16 Host Adapter Card (HBA)

Please contact your sales rep for more information and to determine which configuration is best for use. Specification subject to change without notice.

Contact Information

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Form Factor	CXL 2.0 - Gen 5 x16 HHHH add-in card
Dimensions	6.6" x 2.65" (16.76cm x 6.73cm)
Power	Maximum 27W
Latency	115 nsec
Connectors	CDFP
Operating Temperature	-10C to 40C
Storage Temperature	-40C to 85C
Operating Humidity	10% to 90% relative humidity non-condensing
Storage Humidity	5% to 95% relative humidity non-condensing
PCB	PCI Express add-in card standard Thickness .063" +/- 0.008" (1.6mm +/- 0.2mm)
PCIe Switch	Broadcom PEX89032 32GT/s 32 lanes PCIe Gen5 Switch DMA Controller SSC Isolation Support

**Supports surprise hot plug in on downstream ports in both Windows and Linux

**Must have m/b that supports CXL/ PCIe native mode OS in the Bios and running Server 2012 R2 or higher (no desktop versions)

[User Guide for Gen5 HBA](#)

About LIQID

A leader in composable infrastructure, LIQID enables users to configure and manage physical, bare-metal server systems in seconds.

Storage, compute, networking, memory and GPU devices are interconnected over PCI-Express or CXL fabrics to deliver dynamically configurable bare-metal servers perfectly sized with the exact physical resources required by the application being deployed.