LIQID PCIe Fabric



The low latency, intelligent, and managed PCIe Gen 5 switching fabric.
For organizations seeking to accelerate results while optimizing resource utilization, LIQID Matrix™ software enables on-demand GPU and storage provisioning to meet the most demanding workloads.

16 ports
PCIe Gen 5.0 x16 ports in 1U

128 GB/s
Port bandwidth, full duplex

2048 GB/s
Total bandwidth, full duplex

115 ns
Port latency

PCIe Switches at the Core

Resources are pooled and assigned over a PCIe fabric, with LIQID PCIe switches at its core. LIQID's managed switching fabric connects pools of disaggregated PCIe resources, host servers and software together to create previously impossible server configurations.



Technical Specifications

Model	FX-5016-2
PCIe Generation	PCIe Gen 5.0
Physical Interconnect	CDFP - Copper or AOC (port and/or connection dependent)
Number of Ports	16 Gen 5.0 x16 ports
Port Bandwidth	128 GB/s – Full Duplex
Total Bandwidth	2048 GB/s – Full Duplex
Port Latency	115 ns
Port Configurations	x16 (SRIS and Common Clock Ready)
Management Port	PCIe 2x Gen4 x1 (SW upgradeable for Ethernet Distributed Management)
Out-of-band Monitoring	ComE module supporting BMC commands

Scalable	Multi-switch topologies - Star, Mesh, other
Typical Power	225 W - Up to 400+ Watts with AOC
Input Voltage	100-240 VAC
PSU	2x 550W Redundant (80 Plus Platinum)
Operating Conditions	Temperature 0 C to 35 C, Humidity 10% to 90% (non-condensing)
Storage Conditions	Temperature -40 C to 85 C, Humidity 5% to 95% (non-condensing)
Dimensions	1.7" x 17.5" x 16" (43mm x 444.5mm x 406.4mm)
Weight	19.2 lb / 8.71 Kg
Compliance	UL - FCC - CSA - AS/NZS - VCCI - KCC - BSMI - CE - UK/CA - REACH - RoHS - WEEE

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LIQID Inc.
11400 Westmoor Circle, Suite 225
Westminster, CO 80021
sales@liqid.com • +1 303.500.1551 • liqid.com