8-Slot PCIe Gen5 x8

High-performance PCIe Gen5 expansion backplane with eight x8 slots for servers, AI and data centers

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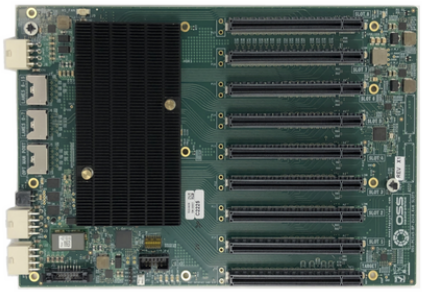
A ONE STOP SYSTEMS COMPANY

Features

- 8x PCIe Gen5 x8 downstream slots for high-performance add-in cards
- 1x PCIe Gen5 x16 upstream slot for maximum host connectivity
- Rack-optimized design for parallel use of two backplanes in one 19" chassis
- Supports latest PCIe 5.0 add-in cards for highest data transfer rates
- Scalable architecture for data centers, HPC, AI acceleration



8-slot PCIe Gen5 x8 backplane – Highest performance for high-speed workloads

The 8-slot PCIe Gen5 x8 backplane is a powerful and scalable PCIe expansion solution designed specifically for high performance computing (HPC), AI workloads, networking and storage solutions. With eight PCIe Gen5 x8 slots, it provides maximum bandwidth for modern PCIe add-in cards, including GPUs, high-speed network adapters and NVMe storage solutions.
This backplane is designed so that two units can be installed side-by-side in a standard 19" rackmount chassis for space-saving scaling. Connection to the host system is via a PCIe Gen5 x16 upstream slot which can be fitted with an OSS-PCIe-HIB732-x16 PCIe 5.0 host bus adapter.

Optimal solution for data centers, AI training and data-intensive applications
The 8-slot PCIe Gen5 x8 backplane provides an expandable and reliable platform for high-performance server infrastructures. Thanks to PCIe 5.0 technology, it enables the lowest latencies and highest bandwidths, ideal for data-intensive computing and virtualization workloads.

	8-Slot PCIe Gen5 x8
FEATURES	
Form Factor	PCIe expansion backplane
Slots	1x PCIe Gen5 x16 upstream slot 8x PCIe Gen5 x8 single-width downstream slots
Link Speed	63 GB/s upstream (single upstream)
ENVIRONMENTAL	
Power Connection	100W [CPU AUX +12v 8pin
Operating Temperature	0°C ~ 50°C
Storage Temperature	-40°C ~ 85°C
Humidity	Operation: 10% ~ 90%, non-condensing Non-Operation: 5% ~ 95%, non-condensing
Dimensions	182 x 227mm
Certifications	FCC – Part 15 Class A, 47CFR; Canada ICES-003, issue 4, Class A; Japan: VCCI, Class A; CE Emissions 2004-108EC, UL/IEC 60950-1; Canada: CSA C22.2 No. 60950-1; Argentina: IEC60950-1; IEC 60950-1 (CB Certificate and CB Test Report), CE Mark (EN55022 Class A, EN60950-1, EN55024, EN61000-3-2, EN61000-3-3) CISPR 22, CISPR 24, Class A; Australia/New Zealand AS/NZS CISPR 22, Class A, RoHS 6 of 6 compliance (Directive 2002/95/EC)