LRSV9500-4I
PCIe5.0 x16 4*MCIO 8i NVMe Expansion Card (Broadcom PEX89048 Based)



Product Features

- PCIe Gen5.0 x16
- 4 * MCIO 8i interface
- Support three splitting modes of 2*X16, 4*X8 and 8*X4
- Integrated NVMe Hot-Plug Capability
- Temperature-controlled fan

Product Description

LRSV9500-4I is a PCIe5.0 x16 4*MCIO 8i NVMe Expansion Card developed by Linkreal Co., Ltd. based on Broadcom PEX89048 host controller solution.Supports three flexible splitting methods: 2 X16, 4 X8, and 8 X4. Users can flexibly configure according to their actual needs, whether it is high bandwidth single device access or multi device parallel processing, it can be easily handled. It can directly support up to 8 M.2, U.2/U.3, or E3. S SSDs.The fan features a temperature-controlled startup design and only activates when the NIC temperature exceeds a preset threshold, effectively controlling power consumption while reducing the card’s overall energy usage

Specially designed for high-end application scenarios such as SSD performance testing and GPU expansion testing, the PCIe 5.0 connection with high bandwidth and low latency ensures the accuracy and real-time performance of test data, accelerating product development and verification processes.

Technical Specifications

Model	LRSV9500-4I
Controller	Broadcom PEX89048
PCIe bus	PCIe5.0 x16
Bracket Height	Low Profile & Full Height
Connector Type	MCIO 8I
Number of devices	8
SSD Form Factor	U.2, U.3, E3.S (via cabling accessories)
SSD Hot-Plug	Yes
Splitting modes	2*X16,4*X8,8*X4

Working parameters

Operating Temperature	-10°C to 60°C
Storage Temperature	-40°C to 85°C
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 °C
Certification	FCC, CE, RoHS

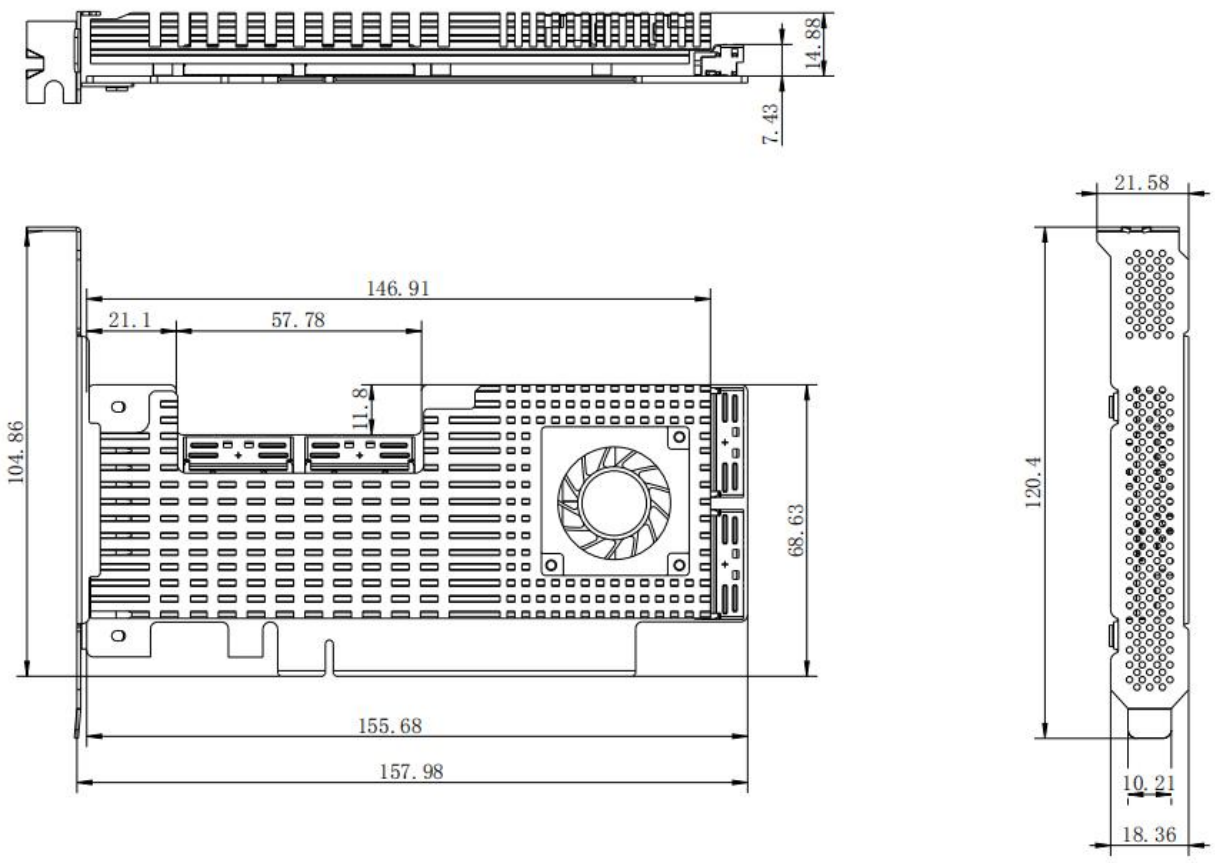
Physical properties

PCB size(unit:mm)	68.6*155.69

Packing list

Baffle specifications	Full bracket(installed) & Low Profile
Expansion Card	*1
Product warranty card	*1
Packing	Carton and Blister box

Dimension


14.88
7.43
146.91
21.1
57.78
11.8
104.86
68.63
155.68
157.98
21.58
120.4
10.21
18.36

Revision History

LRSV9500-4I;June 30, 2025

Initial release.V1.0

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