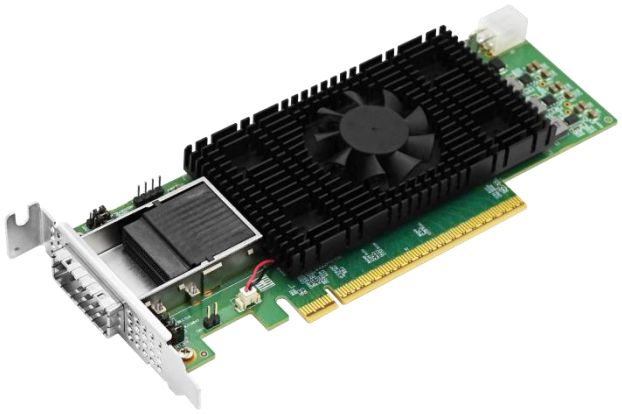
LR-LINK®
Professional NIC Solution Supplier

LRSV9570-1E

PCIe5.0 x16 to CDFP Retimer Adapter

FC CE RoHS



Key Features:

-PCIExpress5.0 x16

-Single-port CDFP interfaces

-Compatible with CXL2.0 standard

Overview

LRSV9570-1E is a PCIe 5.0 x16 to CDFP Retimer Adapter independently developed by Linkreal Co., Ltd., powered by the Silicon Innovation XRET5032 controller. It features a single CDFP connector designed to provide a dedicated 16-lane high-speed path for ultra-high-speed signal transmission and reach extension.

The adapter is fully compliant with PCIe Gen 5/4/3/2/1 standards and supports the Compute Express Link® (CXL) 2.0/1.1 protocols. By leveraging advanced retiming technology, it ensures exceptional signal integrity and low-latency data forwarding across the full x16 bandwidth. The retimer functionality significantly enhances signal quality, reliably extending PCIe signals from the host platform to external devices via the CDFP interface to meet the rigorous demands of high-bandwidth, long-distance data transfers.

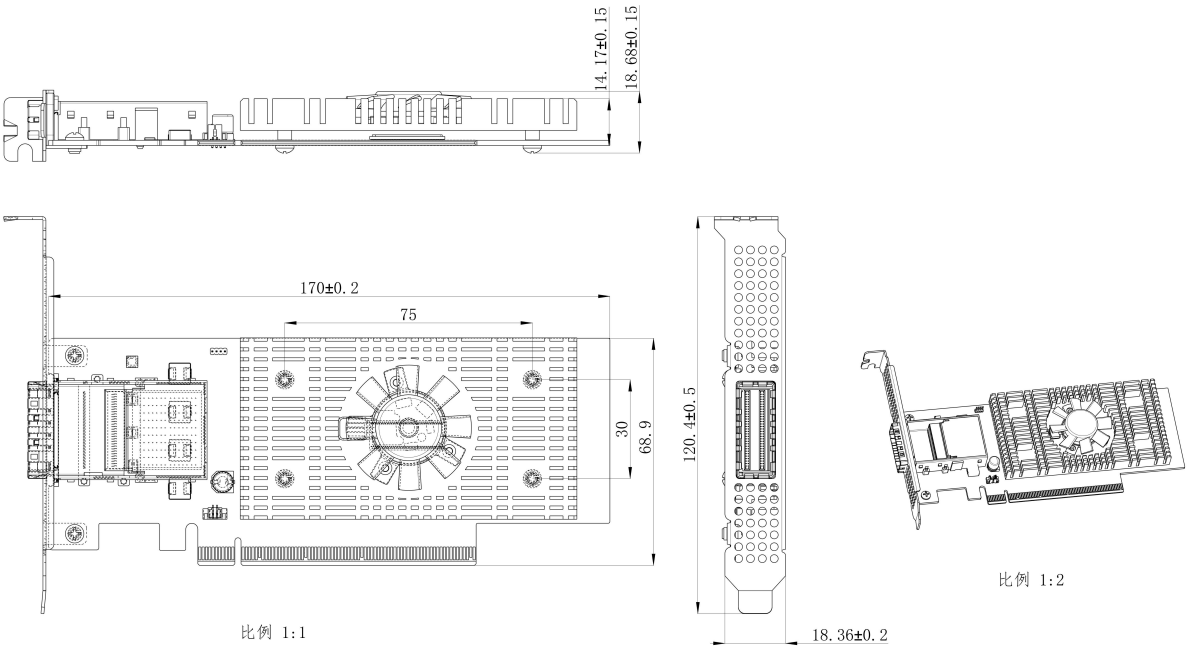
The LRSV9570-1E enables seamless connectivity between host systems and external JBOF/JBOG storage or acceleration enclosures, facilitating flexible NVMe storage expansion. It is an ideal solution for building high-density, scalable storage architectures and AI computing platforms that require a massive, unified data pipe.

Product Specifications	
Model	LRSV9570-1E
Controller	SILICON INNOVATION XRET5032
Adapter Type	Retimer Expansion Card
Host Connector	PCIe5.0 x16
Connectors	CDFP
Port	Single
LinkSpeed	32GT/s

Technical Specifications	
Operating Temperature	-10℃ to 55℃
Storage Temperature	-40℃ to 70℃
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 ℃
Certification	FCC, CE, RoHS

Physical Properties	
Product Size	170*68.9mm
Package Size	250*170*32mm
Packing List	
Internet Network Adapter	*1
Product Warranty Card	*1
Packaging	Carton + Anti-static bag

*This document contains information about products, services, and/or processes under development. All information provided here is subject to change without prior notice and the actual product shall prevail.



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