

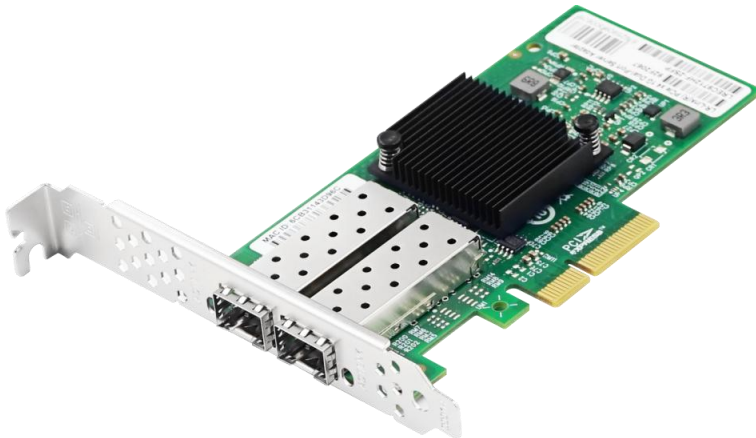
LREC9712HF-2SFP

PCIe x4 1G Dual-Port Server Adapter (Intel I350 Based)



Product Features

- PCIe v2.1 (5.0GT/s) x4;
- Supports PXE function;
- Based on the Intel I350AM2;
- Low power consumption.



Product Description

LREC9712HF-2SFP is a PCIe x4 1G Dual-Port Server Adapter independently developed by Linkreal Co. Ltd. based on the Intel I350AM2 master solution. The adapter is designed to be applied to servers and high-end devices. The performance is optimised so that system I/O is no longer a bottleneck in high-end network applications. The adapters are fault-tolerant by bundling and aggregating into groups, automatically detecting and routing traffic from failed ports to other members of the same group for uninterrupted communication. The LREC9712HF-2SFP features integrated hardware acceleration to perform TCP/UDP/IP checksum splitting and TCP segmentation tasks. Host processing technology offloads the accelerator, freeing up CPU resource usage to free up more CPU resources for other applications. The LREC9712HF-2SFP is an ideal solution for deploying multiple networks as well as deploying critical network applications and environments on high-performance servers.

The LREC9712HF-2SFP is equipped with dedicated PCIe input/output (I/O) bandwidth to ensure superior performance in fibre-optic networks with Gigabit Ethernet connectivity without consuming bus bandwidth. The onboard 2 SFP slots are compatible with a variety of Gigabit SFP modules, allowing users to choose the Gigabit fibre optic module to be used according to the actual transmission distance without the need to replace the card.

Technical Specifications

Model	LREC9712HF-2SFP	
Controller	Intel I350-AM2	
Bracket Height	Low Profile & Full Height	
Power (max)	3.3W	
Connector	2*1G SFP	
Bus Type	PCIe v2.1 (5.0GT/s) x4	
Data rate per port	1Gbps	
Power Supply	PCIe	
Operating System Support	* Windows 7 /8 /8.1 /10 * Windows Vista * Windows XP * Windows Server 2016 /R2 * Windows Server 2012 /R2 * Windows Server 2008 /R2 * Windows Server 2003 * Linux kernel、 2.6x /3.x /4.x * FreeBSD 7.x * UnixWare / Open Unix 8 * Sun Solaris 9 /10 /11 * VMware ESX /ESXi 5.x /6.x	
Protocol Support	IEEE 802.3x IEEE 802.3u IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE802.3az IEEE 802.3ab	
PXE	Yes	
DPDK	Yes	
WoL	No	
iSCSI	Yes	

LED Indicators

1G/10G/25Gbps	(LINK) Green Link+ (ACT) Yellow Blink
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Working parameters

Operating Temperature	0℃ to 55℃ (-32 ℉ to 131 ℉)
Storage Temperature	-40 ℃ to 70 ℃ (-40 ℉ to 158 ℉)
Storage Humidity	Maximum: 90% non-condensing relative humidity at 35 ℃
Certification	FCC, CE, RoHS

Physical properties

PCB size(unit:mm)	68*128.8*1.6
Package size (unit: mm)	222*147*28

Packing list

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

* Product appearance and specifications are subject to change without notice.

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