

LREC9204CT

PCIe x1 1G Single-port Desktop Adapter (Intel I210 Based)



Product Features

- Integrate power management technologies such as energy-saving Ethernet and DMA merging to improve energy efficiency;
- Supports commercial and industrial temperature applications;
- Full wake support;
- Adopt miniaturized design without loss of performance.

Product Description

LREC9204CT is a PCIe x1 1G Single-port Desktop Adapter developed by Linkreal Co., Ltd. based on the Intel I210 main control solution. This Gigabit adapter adopts a miniaturized design without reducing the various performance indicators of the network card.

It adopts Ethernet power management technologies such as energy-saving Ethernet and DMA merging, and has 4 transmit and 4 receive queues, error correction memory protection and other technologies to improve the reliability of data transmission. By combining parallel and pipeline logic architecture in together to effectively manage packets with latency.

It achieves high-performance network data transmission on the machine bus architecture and is compatible with Ethernet and Fast Ethernet, thus greatly reducing customer deployment and training costs. Users can easily and quickly migrate the network to Gigabit Ethernet 10/100/1000Mbps. The link rate adapts to the links on the network.

Technical Specifications

Model	LREC9204CT			
Controller	Intel I210			
Cable medium	Copper			
Cable Type	CAT5	50m:1Gbps	100m:1Gbps	150m:1Gbps
	CAT6	50m:1Gbps	100m:1Gbps	150m:1Gbps
	CAT6E	50m:1Gbps	100m:1Gbps	150m:100Mbps
	CAT7	50m:1Gbps	100m:1Gbps	
Baffle Configuration	Full height & half height			
Bus Type	PCIe v2.1(2.5GT/s) x1 , compatible with x8 , x16			
Data Rate	10/100/1000Mbps			
Connector	1*RJ45			
ESD	Air discharge	± 15KV		
	Contact discharge	± 8KV		
Lightning surge test	±2kV common mode			
Power Consumption(mini)	0.363W			
Power Consumption(max)	0.834W			
System Support	<div><div><ul style="list-style-type: none">* Windows 7/8/ 8.1/10/11* Windows Server 2008/2012/2016* Windows Server 2019/2022* RHEL/Centos7.6/7.9/8.2/8.3* Deepin 15.11/20/ 20.6/ 20.9* Ubuntu 18.04.5/20.04.1* Ubuntu 22.04.2/22.04.3* SUSE 12.5/15.4* FreeBSD 12.2/13.2* ZTE New Fulcrum 3.2.2/ 5.0.5* Galaxy Unicorn v10</div><div><ul style="list-style-type: none">* NeoKylin 7.6* Zhongke Fangde desktop operating system 4.0* Zhongke Fangde server operating system* Tongxin UOS 20* Emind OS* OpenKylin 0.7.5* VMware ESXi 6.5/ 6.7/7.0* Mikrotik* iKuai router</div></div>			
PXE	Yes			
WoL	Yes			
Jumbo frame	Yes			
SR-IOV	No			
1588 PTP	Yes			
UEFI	Yes			
Standards Compliant	IEEE 802.3ab 1000BASE-T Ethernet IEEE 802.3u 100BASE-T Ethernet IEEE 802.3z IEEE 802.3 IEEE 802.1Q VLANs IEEE 802.3x IEEE 802.3az - Energy Efficient Ethernet (EEE) IEEE 1588 v2			

Working parameters

Operating Temperature	0 °C to 70 °C (32 °F to 158 °F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Humidity	90% non-condensing relative humidity at 35°C

LED Indicators

10M	Connection Status	Green Link
	Transfer status	Green Blink
100M	Connection Status	Green Link + Green Link
	Transfer status	Green Blink + Green Link
1G	Connection Status	Green Link + Orange Link
	Transfer status	Green Blink + Orange Link

Physical properties

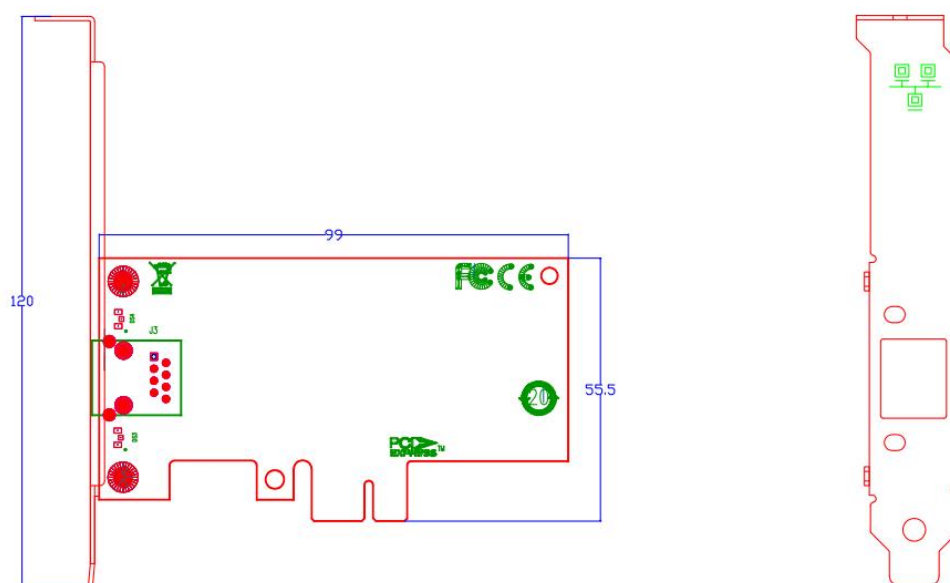
PCB size(unit:mm)	137.6*68.9*1.6
Package size (unit: mm)	222*147*28

Packing list

Baffle specifications	Full bracket(installed) and Low bracket
Network card	*1
Product warranty card	*1
Packing	Carton and Blister box

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

Dimensions



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