

LREC9204CT

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

FCC CE RoHS

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	<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 						
	<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 						
PXE	Yes						
WoL	Yes						
Jumbo frame	Yes						
SR-IOV	No						
1588 PTP	Yes						
UEFI	Yes						
Standards Compliant	<ul style="list-style-type: none"> 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

