LREC9714HT
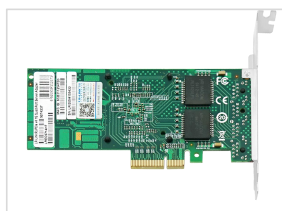
PCIe x4 Quad-port Gigabit Ethernet Network Adapter

FC CE RoHS

Key Features：

- Based on Intel I350
- Equipped with four 1G RJ45 ports, supporting 10/100/1000Mbps data transfer rate.
- Fault-tolerance and redundancy by bundling and aggregating multiple ports simultaneously to extend network bandwidth and safeguard network performance.

Overview

LREC9714HT is a PCIe x4 four-port Gigabit Ethernet network adapter developed by Linkreal CO.,LTD. based on Intel I350, which is compatible with PCIe x8 and x16 channels. The adapter is designed for servers and server clusters and other network applications. It can realize fault tolerance and redundancy by bundling multiple ports into a group to expand network bandwidth and guarantee network performance, and can automatically detect and realize real-time routing of communications from the faulty ports to other members of the same group for uninterrupted high-performance communications.

The LREC9714HT features integrated hardware acceleration to perform TCP/UDP/IP checksum offload and TCP segmentation tasks.Developed on the Intel I350 quad-port Ethernet MAC+PHY (Media Access Controller and Physical Interface Transceiver) controller, the LREC9714HT utilizes a compact interface architecture to better utilize server space, allowing four network ports to operate simultaneously in full-duplex mode for high-performance network communications when on a Gigabit Ethernet connection. It can extend the bandwidth through link aggregation and save PCI Express channel resources at the same time without taking up the bus bandwidth. Supports PCI SIG Single-Root I/O virtualization and sharing specification (SR-IOV).

Specifications

Controller	Intel I350
Cable medium	Copper
Fiber Type	1000Base-T Cat 5E & Cat6 or higher: up to 100m
	100Base-Tx Cat5, Cat 5E & Cat6 or higher: up to 100m
	10Base-T Category 3, 4, 5, 5E & Cat6 or higher: up to 100m
Bracket Height	Low Profile & Full Height
Max Power(w)	5.04 W
Connector	4 * 8-Pin RJ45
Bus Type	PCIe v2.1 (2.5GT/s & 5.0GT/s) x4; x8, x16 compatible
Data rate per port	10/100/1000Mbps
Power Supply	PCIe
Protocol Support	IEEE 802.3ab 1000BASE-T Gigabit Ethernet
	IEEE 802.3u 100BASE-TX Fast Ethernet
	IEEE 802.3z
	IEEE 1588
	IEEE 802.3ad
	IEEE 802.3az - Energy Efficient Ethernet
PXE	No
DPDK	Yes
WoL	Yes
iSCSI	No
Jumbo Frames	Yes
FCoE	No
System Support	* Windows XP /7 /8 /8.1 /10
	* Windows Server 2003 / R2
	* Windows Server 2008 / R2
	* Windows Server 2012 / R2
	* Windows Server 2016 / R2
	* Windows Server 2019 / R2
	* RHEL/CentOS 6.x / 7.x or later
	* Ubuntu 14.x / 16.x or later
	* FreeBSD 9 / 10 / 11 or later
	* Linux Stable Kernel version 2.6.x/3.x / 4.xor later
	* Vmware ESX/ESXi 4.x / 5.xor later
LED Indicators	1000Mbps	Orange Link + Green Blink
	100Mbps	Green Link + Green Blink
	10Mbps	Green Blink

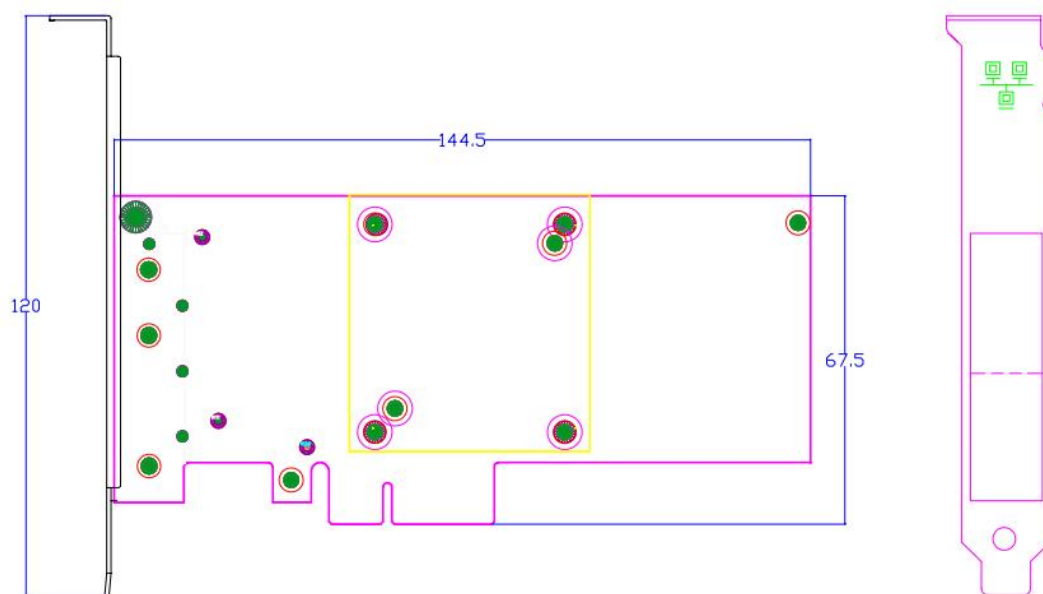## Environment Features

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

Packing List

Bracket	Fitted with full height, equipped with low profile
Internet Network Adapter	*1
Product Warranty Card	*1
Packaging	Carton + Blister Box

PS: The depictions provided of our products are not to scale and are intended for illustrative purposes only.

Product Structure