LAN1425

**PCI Express 2.5G BASE-T
Network Card**

Introduction

SUNIX LAN1425 PCI Express Network card adds a 2.5G R-J45 Ethernet port to provide cost-effective network connectivity for high bandwidth PC desktops, workstations and servers. It's designed to support 10/100/1000/2500 Mbps network speed Auto-Negotiation, 802.3x flow control and Wake-on-LAN technology. The card increases 250% data rate than Gigabit Ethernet without having to overhaul your existing infrastructure cable wiring. SUNIX LAN1425 lowers the cost and effort for customers to upgrade their Gigabit to 2.5G Ethernet ecosystem. Users can get the benefits of network speed improving productivity, including video streaming, and sports gaming.

Applications

- Upgrade your PC server or workstation to provide enhanced performance.
- Upgrade a 10/100/1000 Ethernet port on your computer to 2.5 GbE networking.
- Add networking capabilities to an old system with no Ethernet port.

Feature

- PCI Express Base Specification Revision 2.0 single-lane (x1).
- Supports network data transfer rate of 2.5G/1G/100/10 Mbps.
- RJ-45 Port offer high speed 2.5Gbps transmission over CAT 5e or 6 cable
- Supports jumbo frame sizes up to 9K bytes
- Plug-n-Play, I/O address and IRQ assigned by BIOS.
- Compliant Full High and Low Profile PCIe bracket (Optional Accessory).
- Driver supports for Microsoft Windows and Linux operation systems.
- Certified by Electromagnetic Compatibility (CE, FCC, VCCI, BSMI) and RoHS approval.

Specifications

Model	LAN1425
Description	PCI Express 2.5G Network Card
Chipset	Realtek RTL8125AG
Interface	PCI Express Gen2 x1
Port	RJ45 (2.5GbE) x 1
Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab/az/bz IEEE 802.1Q VLAN Tagging, IEEE 802.1ad Double VLAN
Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) 100BASE-TX: UTP category 5, 5e cable (maximum 100m) 1000Base-T: UTP category 5, 5e cable (maximum 100m) 2500Base-T: UTP category 5e, 6 cable (maximum 100m)
Data Rates	10/100/1000/2500Mbps
LED Indicator	2500Mbps Link/Act, 1000Mbps Link/Act, 100Mbps Link/Act,
O.S Support	Windows 7 / 8.x / 10 (X86/X64) Windows Server 2008 / 2012 / 2016 (/X64) Linux 3.x and 4.x
Environment	Operation temp. 0 °C ～ 60 °C (32-104°F) Operation humidity: < 85% non-condensing Storage temp. -10 °C ～ 85 °C (14~176°F)
PCB Dimension	71.5*56*1.6mm
Bracket	Standard 120 mm (Low Profile 80mm)
Regulatory Approvals	CE, FCC, RoHS

Packing List

- LAN1425 - PCI Express 2.5G BASE-T Network Card
- CD Driver
- User's Manual