

# LAN1225

PCI Express 1 port 2.5G BASE-T  
Network Card



## Introduction

SUNIX LAN1225 PCIe to 2.5G Ethernet card is powered by the Intel® I226-LM controller, delivering stable and high-performance 2.5 Gigabit connectivity. Compared to traditional Gigabit Ethernet, the 2.5G speed offers up to 2.5 times the performance, making it ideal for enterprise workstations, servers, industrial PCs (IPC), and embedded systems.

With a PCI Express x1 interface, the LAN1225 can be easily integrated into various host platforms and supports major operating systems such as Windows and Linux. Intel® network technology ensures low latency and high reliability, while supporting advanced features including Wake-on-LAN, VLAN tagging, PXE Boot, and Energy Efficient Ethernet (EEE) to enhance both performance and power efficiency.

## Feature

- Integrated MAC/PHY supporting 10BASE-T<sub>e</sub>, 100BASE-TX, 1000BASE-T and 2500BASE-T 802.3 specifications.
- Support 1-Lane 5Gbps PCI Express Bus
- Transmit/Receive on-Chip buffer support
- Advanced Power Management (APM) Support—[formerly Wake on LAN].
- Support intel vPRO.
- Support ASPM L0s
- 2K surge and 2.5K isolation protection.

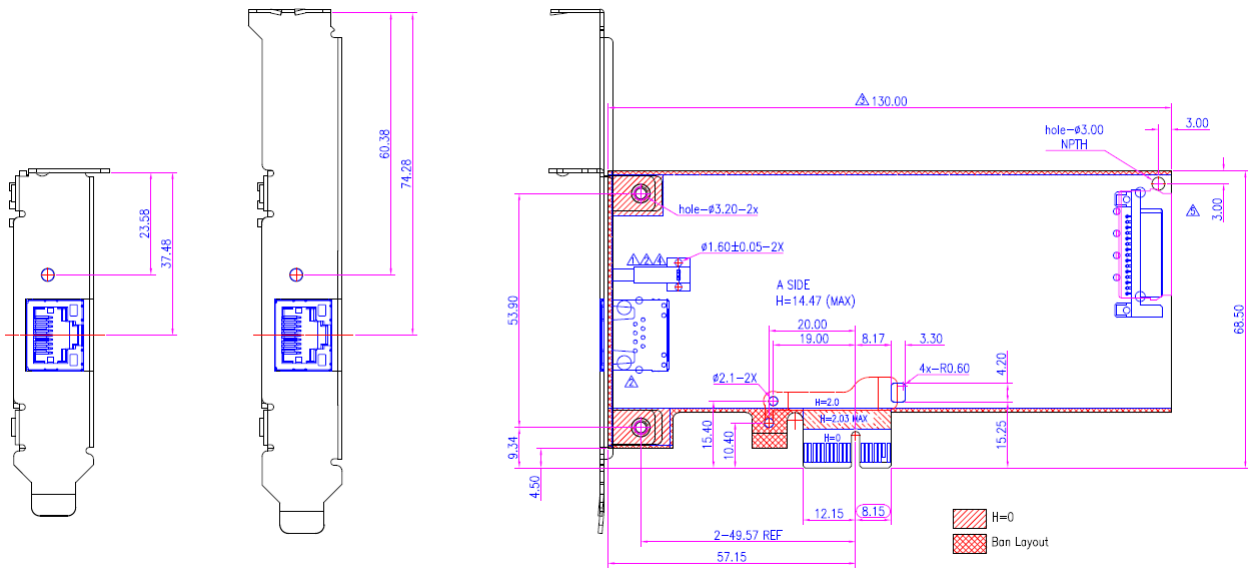
## Specifications

<b>Model</b>	LAN1225
<b>Description</b>	PCI Express 2.5G Network Card
<b>Chipset</b>	Intel I226LM
<b>Interface</b>	PCI Express Gen2 x1
<b>Port</b>	RJ45 (2.5GbE) x 1
<b>Standard</b>	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab/az/bz IEEE 802.1Q VLAN Tagging, IEEE 802.1ad Double VLAN
<b>Network Media</b>	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)
<b>Data Rates</b>	10/100/1000/2500Mbps
<b>LED Indicator</b>	2500Mbps Link/Act, 1000Mbps Link/Act, 100Mbps Link/Act,
<b>O.S Support</b>	Windows 11, 10 (X86/X64) Linux 5.8 and above
<b>Environment</b>	Operation temp. 0 °C ~ 60 °C (32-104°F) Operation humidity: < 85% non-condensing Storage temp. -10 °C ~ 85 °C (14~176°F)
<b>Regulatory Approvals</b>	CE, FCC, VCCI, BSMI RoHS

## Dimension

<b>PCB Dimension</b>	130 * 68 *1.6 mm
<b>Bracket</b>	Standard 120 mm / Low Profile 80 mm
<b>Bracket Space</b>	1

## Mechanical Drawing



## Packing List

- LAN1225 - PCI Express 2.5G BASE-T Network Card
- Low profile bracket