

LAN2225

PCI Express 2ports 2.5G BASE-T
Network Card

Introduction



SUNIX LAN2225 PCIe to Dual 2.5G Ethernet card features the Intel® I226-LM dual-port controller, providing two independent 2.5 Gigabit Ethernet interfaces for simultaneous high-speed data transmission and multi-network applications. Compared with traditional Gigabit Ethernet, 2.5G delivers up to 2.5 times higher performance, making it ideal for servers, industrial PCs (IPC), network-attached storage (NAS), and edge computing platforms.

With a PCI Express x1 interface, the LAN2225 can be easily integrated into various host systems and is compatible with major operating systems such as Windows and Linux. Intel® networking technology ensures low latency and high reliability, while supporting advanced features including Wake-on-LAN, VLAN tagging, PXE Boot, and Energy Efficient Ethernet (EEE), delivering a stable and power-efficient network solution.

Feature

- Integrated MAC/PHY supporting 10BASE-Te, 100BASE-TX, 1000BASE-T and 2500BASE-T 802.3 specifications.
- Support 2-Lane 2.5Gbps 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.

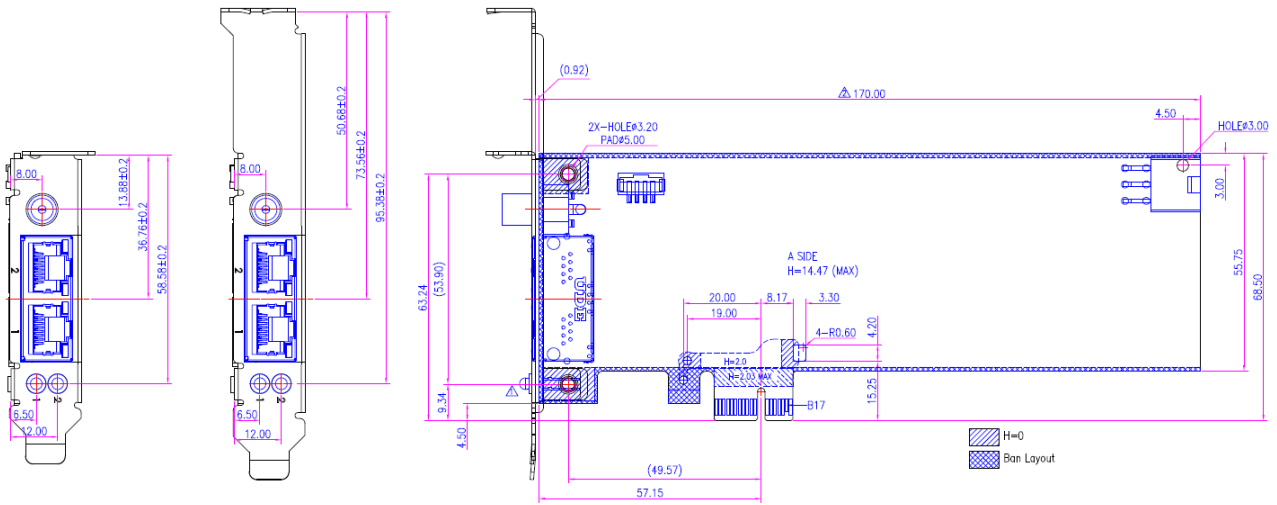
Specifications

Model	LAN2225
Description	PCI Express 2.5G Network Card
Chipset	Intel I226LM
Interface	PCI Express Gen2 x1
Port	RJ45 (2.5GbE) x 2
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 11, 10 (X86/X64) Linux 5.8 and above
Environment	Operation temp. 0 °C ~ 60 °C (32-104°F) Operation humidity: < 85% non-condensing Storage temp. -10 °C ~ 85 °C (14~176°F)
Regulatory Approvals	CE, FCC, VCCI, BSMI RoHS

Dimension

PCB Dimension	170*68.5*1.6 mm
Bracket	Standard 120 mm / Low Profile 80 mm
Bracket Space	1

Mechanical Drawing



Packing List

- LAN2225 - PCI Express 2.5G BASE-T Network Card
- Low Profile Bracket