



LAN1225PS

PCI Express 1 port 2.5G BASE-T
Network POE Card



Introduction

SUNIX LAN1225PS is a single port POE network card based on 2.5G Base-T which meets the high bandwidth requirement. Equipped with intel I225 network chip, LAN1225PS allows enterprise users to expand the intel vPro capability for various network applications. Designed for IEEE 802.3 at , the max. output for network port is up to 30W. It is very easy to deploy the network environments with one network cable and no external power required. With isolation design, LAN1225PS can ensure the safety of system and the preservation of data when a lightning strike occurs.

Feature

- Integrated MAC/PHY supporting 10BASE-T, 100BASE-TX, 1000BASE-T and 2500BASE-T 802.3 specifications.
- Support 1-Lane 5Gbps PCI Express Bus
- IEEE 802.3u auto-negotiation conformance
- Jumbo frames (up to 9 KB and without TSN)
- Time Sensitive Networking (TSN) support
- PXE support
- Teaming and 802.1Q VLAN support
- Transmit/Receive on-Chip buffer support
- Advanced Power Management (APM) Support—formerly Wake on LAN.
- Advanced Configuration and Power Interface (ACPI) specification v2.0c.
- Support intel vPRO.
- Support ASPM L0s
- Support IEEE 802.3AF/AT
- 2K isolation input to output.

Specifications

Model	LAN1225PS
Description	PCI Express 2.5G Network Card
Chipset	Intel I225LM
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 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

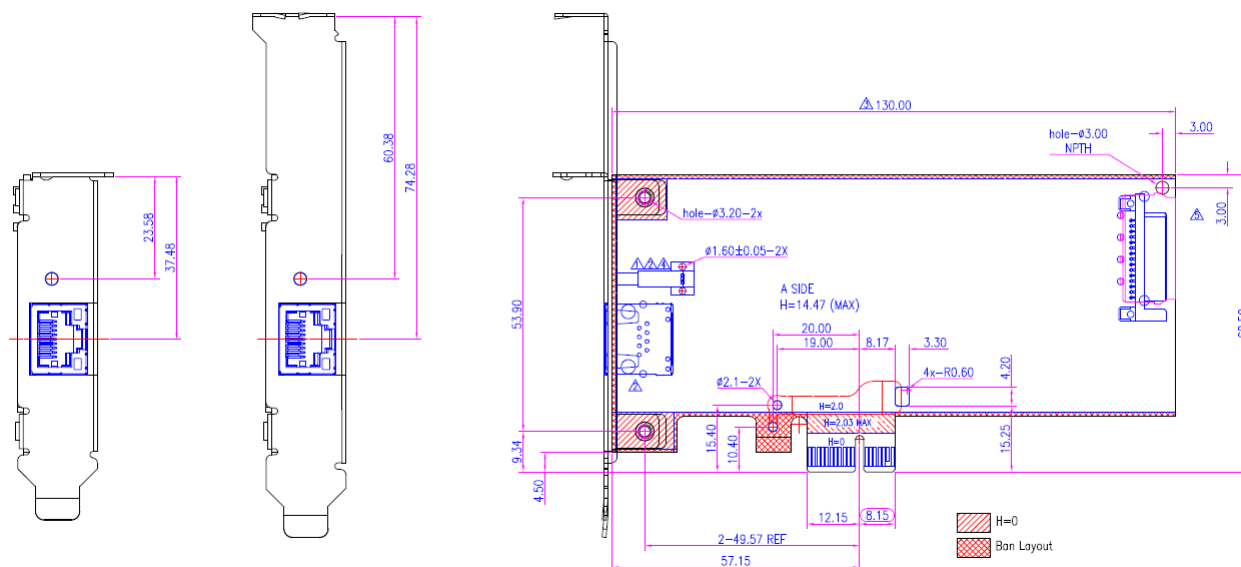
POE Specifications

POE+ Feature	• Supports IEEE 802.3at Power Sourcing Equipment (PSE) • Operates from a 50 V supply • Provides PD real-time protection through the following mechanisms: overload, under-load, over-voltage, over-temperature, and short-circuit. • Auto mode – allows turning PDs on and off automatically.
Power Input options	• 2 power input options (Priority: SATA pin power > PCIe bus power): • SATA power :12V • PCIe Bus: 12V

Dimension

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

Mechanical Drawing



Packing List

- LAN1225PS - PCI Express 2.5G BASE-T Network Card
- Low profile bracket