

## **N-930**

# 2-Port 2.5G PoE+ PCIe Network Adapter

## **Product Specification**

Revision 0.1

## Revision History

Date	Revision	Description	Author
5-Sep-2023	0.1	First draft	Ricky Yeung

## 1. Overview

This specification defined a 2-port PCIe Ethernet adapter which provides network connection of data rate up to 2.5Gbps and able to deliver PoE power of up to 30W on each port. Incorporated with Intel I225 Ethernet controllers, the reliability and performance of N-930 meets the requirement of different IPC and Server applications.

## 2. Product Outline

## 3. Key Features

- PCIe Gen2 x2 form factor
- Supports standard and low profile systems
- Supports 4-speed 2.5G/1G/100M/10Mbps auto negotiation
- Supports Wake-On-LAN (WoL)
- Up to 9KB jumbo frame
- Checksum and TSO offloading
- Supports PXE and UEFI Preboot
- PoE Type 2 PSE supports up to 30W per port
- Compliant with IEEE 802.3af/at standards
- Supports Type 1 and 2 PD devices

## 4. Specifications

PCI-Express Interface	<ul style="list-style-type: none"><li>• PCIe Gen2 x2</li><li>• Works on x4, x8 or x16 Gen4/3/2 slots</li><li>• Compliant with standard and low profile PC systems</li><li>• Compliant with PCI Express Base Specification Rev. 2.1</li><li>• Compliant with ACPI Specification</li></ul>
Ethernet	<ul style="list-style-type: none"><li>• 2.5GBASE-T, 1000BASE-T, 100BASE-TX and 10BASE-T</li><li>• Supports IEEE802.1q VLAN tagging</li><li>• Supports PXE and UEFI Preboot</li><li>• Max. 9K jumbo frame</li><li>• Supports Wake-On-LAN (WoL)</li><li>• UDP, TCP and IP checksum offload</li><li>• UDP and TCP Transmit Segmentation Offload (TSO)</li></ul>
Power over Ethernet	<ul style="list-style-type: none"><li>• Conforms to IEEE 802.3at and 802.3af standards</li><li>• Type 2 PSE</li><li>• Compatible with Type 1 and 2 PD devices</li><li>• Supports up to 30W per port</li></ul>
Ports	<ul style="list-style-type: none"><li>• 2x RJ45</li><li>• 1x LP4 (Molex) power input</li><li>• 1x ATX 2x4 power input</li></ul>
Indicators	<ul style="list-style-type: none"><li>• 2x Link/Activity (Green)</li><li>• 2x PoE Active (Amber)</li></ul>
Operating Systems	<ul style="list-style-type: none"><li>• Windows 11/10 (64-bit)</li><li>• Linux 5.8 and later</li></ul>
Chipset Solution	Dual Intel I225-V
Operating Temperature	0°C – 60°C (32°F – 140°F)
Storage Temperature	-10°C – 70°C (14°F – 158°F)
Humidity	5% – 90% RH
Dimension	Standard profile: mm x 22mm x 121mm (L x W x H) Low profile: mm x 22mm x 80mm

