

2-Port 10/100/1000T 802.3at PoE+ PCI Express Server Adapter



Simple Plug and Play PoE Solution for IPC System

PLANET ENW-9720P is a **2-port 10/100/1000T 802.3at PoE+ PCI Express server adapter** with a maximum of up to 60 watts of power output over Ethernet cables. Incorporated with Intel server-grade GbE Mac controller, the ENW-9720P provides superb performance to fulfill the requirements of Industrial networks. Complied with PCIe standard, the ENW-9720P can be easily installed on any IPC or server motherboard with a PCIe socket to make the IPC or server able to communicate with other Ethernet devices and deliver power to PD devices.

Each port of the ENW-9720P can deliver 30W of power and 1000 Mbps bandwidth over a networking cable of up to 100 meters. Its 30W PoE+ can now power not only PTZ (pan, tilt and zoom) cameras for surveillance applications but also 802.11ac AP for ultra-high-speed wireless application.



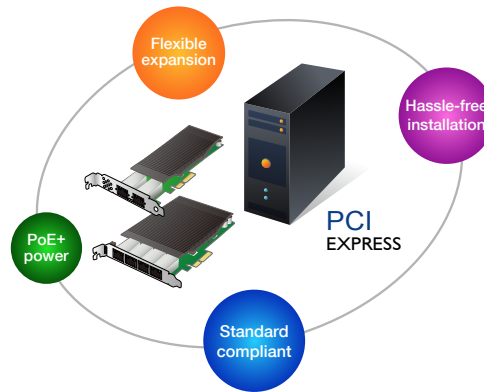
Hassle-free Installation for PoE Deployment

PLANET ENW-9720P is backward compatible with both IEEE 802.3af/at PoE standards which allow users to flexibly deploy standard and high powered devices to transfer data and power simultaneously through one Ethernet cable for up to 100 meters. In addition, the ENW-9720P is powered by bus power without an external power input. Thus, an additional electrical outlet is not necessary.

With PoE application, the ENW-9720P frees the IP camera and wireless AP deployment from restrictions of power outlet locations and the additional AC wiring. It reduces cables and eliminates the need for electrical outlets on the wall, ceiling or any unreachable place, and most of all, it reduces installation time.

Product Features

- Intel ® server-grade GbE Mac Controller
- PCI Express (PCIe) x4 slot
- Supports 2-port Gigabit Ethernet MAC Controller
- IEEE 802.3at compliant with up to 30W power per port with a total power budget of 60W
- PCI Express 12V power supply without external power input
- Powered device (PD) auto detection and classification
- IEEE 802.1q VLAN ID tagged
- 9.5K jumbo frame size
- Low profile and full-height bracket
- Complies with Microsoft, Linux and Mac platforms



Standard 802.1Q VLAN Support

The ENW-9720P supports IEEE 802.1Q VLAN which allows it to operate in a flexible and secure network environment. With 9.5K jumbo frame ability and IEEE 802.3 flow control support, it further optimizes throughput and wire-speed packet transfer performance without the risk of packet loss. The high data throughput of the device makes it ideal for most Gigabit Ethernet environments.

Multiple OS Support

The ENW-9720P operates completely well with most of the popular and latest operating systems including Microsoft Windows Server, Linux and VMware, enabling simple integration into network designs. There is no need of any modification to the server's operating system or any special software required for the ENW-9720P to be integrated into the system.

Low Profile design

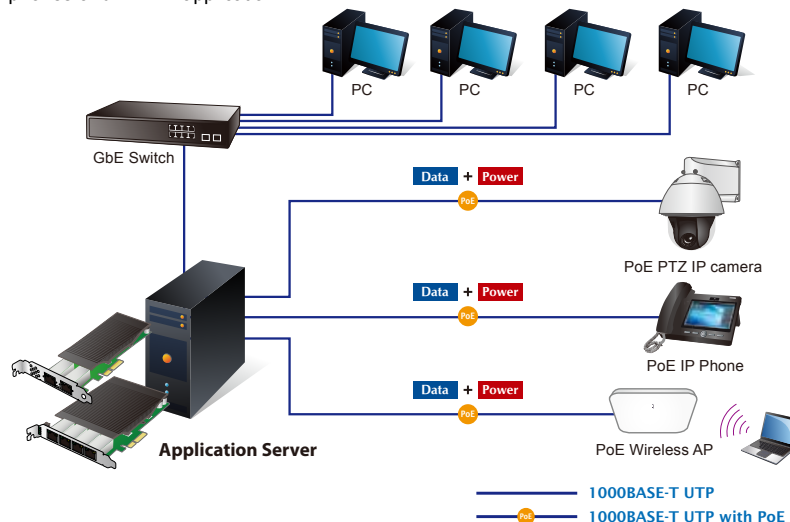
The ENW-9720P supports both full-height and low profile PCI Express slot. The ENW-9720P provides an accessory of low profile bracket to fulfill IPC with low profile slot. The flexibility of low profile design can help the ENW-9720P meet various applications of industrial networks.

Applications

Server-grade PoE NICs

PLANET ENW-9720P is designed with Intel® I350AM2 server-grade GbE controller which provides high-performance, dual-port Gigabit network connectivity. It not only supports 9.5K jumbo frame and 802.11q VLAN to enable higher and better throughput of data but also enhances data acceleration across the platform (network, chipset and processor) to reduce CPU utilization. In addition, its single-bus, dual PoE ports capacity delivers up to 30W power per port with a total power budget of 60W.

The ENW-9720P can easily act as a server NICs of your networks by wiring to the backbone switches and is right for the main board with PCI Express now and in the future. The ENW-9720P is a highly cost-effective solution to deliver Power over Ethernet function to meet the requirements of industrial networks that come with IP surveillance, IP phones and WLAN application.



Product Specifications

Model	ENW-9720P
Hardware Specification	
Controller	Intel I350AM2
Interface	2 x RJ45
LED Indicator	1000Mbps: LINK: Yellow, ACT: Green 10Mbps/100Mbps: ACT: Green
Data Rate	10/100/1000Mbps
Dimensions (W x D x H)	169 x 121 x 19 mm
Weight	161 g
PCIe Bus Type	PCI Express v2.0 (2.5GT/s) x4
Power Supply	PCIe power supply 3.3V±9% / 12V±8%
Typical Power Consumption	3 watts max
Single PoE Output	30 watts
Advanced Functions	
Layer 2 Features	IEEE 802.1Q VLAN support
Operating System Support	Windows Server 2008R2 64bits Windows Server 2012 64bits Windows Server 2016 64bits Windows 7 32/64bits Windows 8 32/64bits Windows 10 32/64bits Linux 2.6.x, Linux 4.x VMware® 6.0
Standards Conformance	
Standards Compliance	IEEE 802.3 10BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.1Q VLANs IEEE802.3x Flow Control IEEE802.3af Power over Ethernet IEEE802.3at Power over Ethernet Plus
Regulatory Compliance	FCC Part 15 Class B, CE
Environment	
Operating Temperature	-10 ~ 60 degrees C
Storage Temperature	-40 ~ 70 degrees C
Operating Humidity	5 ~ 90%, relative humidity, non-condensing
Storage Humidity	5 ~ 90%, relative humidity, non-condensing
Standard Accessories	
Package Contents	<ul style="list-style-type: none"> ■ ENW-9720P Server Adapter ■ Quick Installation Guide ■ Low Profile Bracket

Ordering Information

ENW-9720P	2-Port 10/100/1000T 802.3at PoE+ PCI Express Server Adapter
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Related PoE Products

ENW-9740P	4-Port 10/100/1000T 802.3at PoE+ PCI Express Server Adapter
ICA-3250	1080p IR Bullet PoE IP Camera
ICA-E3550V	5 Mega-pixel Bullet IR PoE IP Camera with Extended Support
ICA-E5550V	5 Mega-pixel Vandalproof IR PoE IP Camera with Extended Support
WDAP-C7200E	1200Mbps 802.11ac Dual Band Ceiling-mount Wireless Access Point
WNAP-C3220E	300Mbps 802.11n Ceiling-mount Wireless Access Point
WDAP-802AC	1200Mbps Dual Band 802.11ac Outdoor Wireless AP (IP68, 802.3at PoE+, 4 x N-Type connector)
POE-162S	IEEE 802.3at Gigabit Power over Ethernet Plus Splitter
IPOE-162S	Industrial IEEE 802.3at Gigabit High Power over Ethernet Splitter
POE-E201	IEEE 802.3at Power over Gigabit Ethernet Extender
IPOE-E202	Industrial 1-Port 802.3at PoE+ to 2-Port 802.3af PoE Extender

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ENW-9720P