USB-C To Gigabit Ethernet Adapter With PD Charging

Customizable USB-C Gigabit Ethernet Adapter with PD Charging

The USB-C to Gigabit Ethernet Adapter with PD Charging allows users to connect to a 10/100/1000Mbps network via USB-C port on PC or Laptop. No need to purchase an extra Gigabit network card and share a PCI or Cardbus slot. Compliant with USB 3.0 specification, this adapter ensures true 10/100/1000Mbps network speed without any compromise. With bus-power, the adapter can provide power supply from PC to the device. With self-power (PD charging function), the adapter can charge PC or Laptop via downstream USB-C port. Bus-powered along with self-powered design provides users more possibilities.



Features

- **Gigabit Ethernet** Connect to 10/100/1000Mbps wired networks through USB-C.
- **USB-C PD Charging** Supports USB PD 3.0 pass-through up to 100W via a dedicated power-only input.
- **Flexible Power Modes** Supports bus-powered operation and external USB-C PD power.
- **Wake-on-LAN** Supports Wake-on-LAN for remote wake-up.
- **Energy-Efficient Ethernet** Supports IEEE 802.3az for energy-efficient networking.
- **Reduced CPU Loading** Supports IPv4/IPv6 checksum offload to reduce CPU loading.

Specifications

Model	AEC1100
Host / Upstream	
Upstream Port (Host)	1 × USB-C 5Gbps (3.0)
Host Interface	USB-C
Network	
LAN	1 × RJ45 (1GbE)
Power	
Power Supply	Bus-powered: 5V/0.9A; self-powered via USB-C PD input: 5V/3A, 9V/3A, 15V/3A, 20V/5A
Power Mode	Dual-Power
PD Power Input	1 × USB-C PD 3.0 input, up to 100W (power only)
Physical	
Dimension (L x W x H)	63 × 40 × 17 mm
Operating Temperature	0–40°C
Housing	Plastic (PC+ABS)

General	
Adapter Type	Ethernet
Weight	34.6 g (including cable)
Supported OS	Windows 10, macOS, Chrome OS
Storage Temperature	-20–70°C
Features	Ethernet, PD Charging

USB	
Cable Length	150mm