CU006-A

EN

USB 3.0 Gigabit Ethernet Converter | **USB3.1 Gen1 to RJ45** | **RTL8153 Gigabit LAN**

OVERVIEW

The CU006-A is a USB3.1 Gen1 Gigabit Ethernet adapter that instantly adds a wired Gigabit network connection to computers with USB-A ports. It delivers full 10/100/1000Mbps bandwidth over the 5Gbps USB3.1 Gen1 interface, supporting IPv4, IPv6, TCP and UDP checksum offload as well as large send offload to reduce host CPU load.

It works without an internal Ethernet card; simply plug this adapter into your laptop's USB-A port and connect to your network. This compact portable adapter offers native driver support for Windows®, macOS and Chrome OS. It draws power directly from the USB port for convenient plug-and-play, making it a reliable wired network upgrade for desktop PCs or a lightweight accessory for laptops.



CU006-A
USB-A Gigabit Ethernet Adapter

FEATURES

- Connects USB 3.0 Type-A host to Gigabit Ethernet
- Auto-negotiation 10/100/1000BASE-T, full / half duplex
- Bus-powered, no external power adapter required
- LED indicator for real-time link status
- Native driver support: Windows, macOS, Chrome OS
- Driverless support for most mainstream Linux distributions

IMPORTANT NOTES

Standard version does **not** support PXE boot. PXE boot is a custom engineering feature and requires extra firmware development.

Nintendo Switch compatibility relies on standard RTL8153 VID/PID and USB2.0 fallback. PXE custom firmware with NII/UNDI may break Nintendo Switch compatibility.

CU006-A

SPECIFICATIONS

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INTERFACE

Interface	USB to RJ45
Interface Standard	USB 3.1 Gen1 / 3.0, Gigabit LAN
Supported Bandwidth	5Gbps, 10/100/1000Mbps
Chipset	RTL8153
Compatibility	USB Type A equipped computers
Power Delivery	-

CONNECTORS

Inputs	1 × USB Type A (Male)
Outputs	1 × RJ45 (Female)
Power	Bus-powered

SUPPORTED OPERATING SYSTEMS

MACOS

macOS 11 and later (Apple ARM)	Driver version 1.1.0
macOS 10.9 ~ 10.15	Driver version 1.0.22
macOS 10.8	Driver version 1.0.22

WINDOWS

Windows 11 / Server 2025	NetAdapterCx driver v115X.23.20
Windows 10 / Server 2022	NDIS auto-install v10.68.20
Windows 8 / 8.1 / Server2012	v8.68.20
Windows7 / Server2008 R2	v7.61.20
Windows Vista / Server2008	v6.27
Windows XP	v5.23

LINUX / UEFI

Linux Kernel up to 7.0	USB NIC Linux driver v2.22.1
UEFI Environment (32/64-bit / ARM)	UEFI UNDI Driver v2.048

Note: Some operating systems include built-in native drivers. Manual driver download is only required for older OS releases. UEFI UNDI driver is required for custom PXE-boot implementation, not available on standard CU006-A hardware.