

USB 3.0 to Gigabit Ethernet Converter (Part Number: USB30-ETH-1) CEFC



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# Dart Number, USB20 F



Part Number: USB30-ETH-1

USB 3.0 to Gigabit Ethernet Converter

#### ■ INTRODUCTION

The USB30-ETH-1 is a port-powered, high-quality, high-performance USB 3.0 to Gigabit Ethernet converter that can be used to convert any standard USB 3.0 port into a Gigabit Ethernet port and vice versa. This product supports USB 3.0 standards (backward compatible with USB 1.1 and USB 2.0), and it features auto-negotiation for half or full-duplex and 10, 100, or 1000Mbps data rates. This USB 3.0 to Gigabit Ethernet converter is efficiently powered from the USB bus and it complies with the Energy-Efficient Ethernet standard (IEEE 802.3az), in which it enters a low power idle state to reduce power and to achieve a more energy efficient Ethernet. The unit complies with IEEE 802.3, 802.3u, 802.3ab, and 802.3x standards and is fully compatible with Windows 8/7/Vista/XP, WinCE/Mobile, Linux, and Mac 10.6 or later.

# ■ FEATURES

- Converts USB 3.0 to Gigabit Ethernet and vice versa.
- Backward compatible with USB 1.1 and USB 2.0.
- Supports USB Super/High/Full/Low Speed modes with bus power.
- Complies with the Energy-Efficient Ethernet standard (IEEE 802.3az).
- Supports dynamic cable length detection and dynamic power adjustment Green Ethernet (Gigabit mode only).
- Complies with IEEE 802.3, 802.3u, and 802.3ab standards.
- Supports full duplex operation with IEEE 802.3x flow control
- Supports IPv4/IPv6 packet Checksum Offload Engine (COE) to reduce CPU loading.
- Supports suspend mode and remote wakeup.
- Supports Windows 8/7/Vista/XP/2000, WinCE/Mobile, Linux, and Mac OS v10.6 or later.
- Surface Mount Technology manufactured to RoHS and ISO-9001 standards.
- Safety: Strictly certified by SGS (Cert no. EM/2014/C0046C; EM/2014/C0047C).
- 5-year manufacturer's warranty.

# ■ SPECIFICATIONS

Compatibility:	USB 3.0 (backward compatible with USB 2.0 and USB 1.1)
Power Source:	USB bus power
Ethernet Data Rates:	10/100/1000Mbps (half or full duplex with auto-negotiation)
Compliances:	IEEE 802.3, 802.3u, 802.3ab, 802.3az, 802.3x
Distances:	USB: 10ft (3m); Ethernet: 300ft (100m)
Connectors:	1x USB type A male; 1x 8P8C RJ-45 female
Dimensions (H x W x D):	2.6 x 1.5 x 0.8 in (66 x 39 x 20 mm)
Cable Length:	5.9 in (0.15 m)
Weight:	1.4 oz (40 g)
Operating Temperature:	32°F to 158°F (0°C to 70°C)
Operating Humidity:	5~95% RH (no condensation)

# ■ LED INDICATORS

		Steady: Functioning		
		Flashing: Reading/writing data		
R/	'W	Off: Inactive/no connection		
		Steady: Functioning		
		Flashing: -		
LIP	NK	Off: Inactive/no connection		
	Steady: -			
		Flashing: Half/full-duplex mode		
DUP	LEX	Off: Inactive/no connection		
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#### DRIVER INSTALLATIONS

- Windows
  - 1) Drivers will be installed automatically when your computer is connected to the Internet. Alternatively, you may install the drivers from the CD provided with the product.
  - 2) The new "AX88179 USB 3.0 to Gigabit Ethernet Adapter" will show up under the Device Manager (Windows).

🖳 Device Manager
Eile Action View Help
🗄 🛫 Disk drives 🔼
🗄 🖳 💆 Display adapters
E 🗳 DVD/CD-ROM drives
🕀 🎰 Human Interface Devices
🗄 📹 IDE ATA/ATAPI controllers
🗄 🥪 IEEE 1394 Bus host controllers
🗄 🥩 Imaging devices
🕀 🦢 Keyboards
🗄 🖑 🐚 Mice and other pointing devices
🗄 🦢 Modems
🗄 🖳 🧕 Monitors
🖻 🕮 Network adapters
1394 Net Adapter
ASIX AX88179 USB 3.0 to Gigabit Ethernet Adapter #2
Intel(R) 82577LM Gigabit Network Connection
📲 Intel(R) Centrino(R) Advanced-N 6200 AGN 🛛 🗸

#### Mac

 Locate the Mac drivers from the CD provided and click on the "AX88719\_178A.dmg" file. The following "AX88719" virtual disk will appear on the desktop. (Note: This "AX88719" virtual disk will be automatically removed after rebooting the system.)

FAVORITES  All My Files  AirDrop  ArDrop  ArDrop  Desktop  Documents  Documents  Careative Cloud Files  DEVICES  Remote Disc  TACS  Red  Orange  Yellow  Green	AX88179_178A_Uninstall_ v140	AX88179_178A_v2.4.0.pk	
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Install AX88179/178A USB3.0/2.0 Gigabit Ethernet Adapter Driver

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Destination Select	This will take 106 KB of space on your computer.		
Installation Type     Installation	Click Install to perform a standard installation of this software for all users of this computer. All users of this computer will be able to use this software.		
• Summary	nia na 10 Instantaniani		
	Customize Go Back Ins		

4) You might need to enter your user name and password during the process.

Installer is trying to install new software. Type your password to allow this.		
Name: admin		
Password: ••••••		
Cancel Install Software		

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5) Click on the "Continue Installation" button to continue the installation.

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000	Install AX88179/178A USB3.0/2.0 Gigabit Ethernet Adapter D	river	8
<ul> <li>Introduction</li> <li>Destination Set</li> </ul>	when this software finishes installing, you must restart your computer. Are you sure you want to install the software now?		
<ul> <li>Installation Ty</li> <li>Installation</li> </ul>	Cancel Continue Installation	are for all users use this software.	
• Summar	and a second secon		
		( Calbala ) ( Java	

6) Click on the "Restart" button to restart the Mac OSX system and complete the installation.



7) The new "AX88719" device will show up under the System/Hardware.

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♥ ▼H	ATA ATA ATA Audio Bluetooth Camera Card Reader Diagnostics Disc Burning Ethernet Cards Fibre Charnel Fire Charnel Fire Charnel Fire Charnel Fire Charnel Fire Charnel Fire Charnel Fire Charnel Fire Cards Parallel SCSI Power Printers SAS SATA/SATA Express SPI Storage Thunderbolt USB Etwork Firewal I locations Volumes WWAN Wi-FI	iMa. USB Device Tree ▼USB 3.0 HI-Speed Bus: ▼BRCM20702 Hub Bluetooth USB Hos FaceTime ID Camera Wireless Receiver ▼USB 3.0 SuperSpeed Bus: AX88179 USB 3.0 SuperSpeed Bus: Host Controller Location: Host Controller Location: Host Controller Diver: PCI Device ID: PCI Revision: ID. PCI Vendor ID: Bus Number: AX88179: Product ID: Version: Serial Number: Speed: Manufacturer: Location ID: Current Required i BSD Name:	c t Controller (Built-in) 3uilt-in USB Apple/JSRXHCI 2x8831 2x8035 2x8036 Dx0a 0x1750 0x0b55 (XSIX Electronics Corporation) 1.00 000000000000001 Up to S G/Ssec ASIX Elect.corp. 0x15500000 / 2 (mA): 124 en6	
▼ Sc L	W-Fi oftware admin's iMac ⊨ Hardwa	Current Required ( BSD Name: re > USB > USB 3.0 SuperS	(mA): 124 en6 ipeed Bus	
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#### ■ TROUBLESHOOTING

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- Be sure that the "AX88719 USB 3.0 to Gigabit Ethernet" device shows up under the Device Manager (Windows) or System/Hardware (Mac).
- Make sure that the network cable is plugged in and the red color "LINK" LED is lit up when the device is connected with the computer.
- If none of the LEDs are lit up, please check the Internet connection and/or reinstall the drivers.

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