User Manual (USB-0401)



V1.1 Digital Data Communications GmbH, Germany. <u>http://www.level1.com</u>

ABOUT THIS MANUAL

This manual provides a beginner's introduction to installing, configuring and using the USB3.0 Gigabit Network Adapter. Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. The manufacturer makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties, merchantability, or fitness for any particular purpose.

SAFETY INSTRUCTIONS

Always read the safety instructions carefully:

- Keep this User's Manual for future reference
- Keep this equipment away from humidity
- If any of the following situation arises, get the equipment checked by a service technician:
 - The equipment has been exposed to moisture.
 - The equipment has been dropped and damaged.
 - The equipment has obvious sign of breakage.
 - The equipment has not been working well or you cannot get it to work according to the User's Manual.

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1. Introduction

The USB3.0 Gigabit Network adapter, is a high performance and simple plug-and-play Gigabit Ethernet network connection capability for desktops, notebook PC's, and embedded system using a standard USB port.

The USB3.0 Gigabit Network adapter offers a wide array of features including IPv4/IPv6 checksum offload engine, crossover detection and auto-correction, TCP large send offload and IEEE802.3az EEE (Energy Efficient Ethernet) that allows to enter a low power idle state to reduce power and to achieve a more energy efficient Ethernet. It supports dynamic cable length detection and dynamic power adjustment Green Ethernet in Gigabit mode.



Connect to RJ45 Network Cable

Connecte to USB port

Key Feature

- 10/100/1000Mbps wire speed transmission and reception
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- 4K jumbo frames to increase data transfer rates
- Built-in Wake-on-LAN feature to startup computers remotely
- Supports IPv4/IPv6 network operation
- No additional power supply required
- Multi-platform support: Windows, Mac OS

Package Contents

Before installation, please check the items of the package. The package should contain the following items:

- Gigabit USB Network Adapter x1
- Resource CD x1
- Quick Installation Guide x1

System Requirements

- One available USB port
- \bullet Windows[®] XP, Windows[®] Vista, Windows[®] 7, Windows[®] 8, Windows[®] 10
- Mac OS 10.6 /7/8/9/10/11/12/13/14

2. Installation

On Windows[®] Operating Systems

NOTE: DO NOT connect the Ethernet Adapter to your computer before you install the provided driver.

 Insert the provided Driver CD into your disc drive. Please locate and double-click the setup.exe file under x:\Driver\Windows\ (where x is your disc drive letter)

\rightarrow \checkmark \uparrow \rightarrow This PC \rightarrow DVD RW	/ Drive (G:) levelOne USB-040 > Driver > Windo	ws >		
	Name	Date modified	Туре	Size
🖈 Quick access				
C OneDrive	V Files Currently on the Disc (5)	-		
- OIEDINE	Win7_v1.x.11.0_Drivers_Setup_v3.0.6.0	11/7/2018 2:34 PM	File folder	
💻 This PC	Win8.x_v1.18.4.0_Drivers_Setup_v1.0.3.0	11/7/2018 2:34 PM	File folder	
🧊 3D Objects	Win10_v1.20.4.0_Drivers_Setup_v1.0.4.0	11/7/2018 2:34 PM	File folder	
🔜 Desktop	WinXP_Vista_v1.x.2.0_Drivers_Setup_v1.0.	11/7/2018 2:34 PM	File folder	
Documents	DS_Store	11/7/2018 2:26 PM	DS_STORE File	11 KB
👌 Music				
E Pictures				
📑 Videos				
🏪 Local Disk (C:)	/			
🕳 Local Disk (D:)				
📀 CD Drive (E:)				
USB Drive (F:)				
DVD RW Drive (G:) levelOne USB-040				
Adobe				
Driver				
MAC				
Windows				
EU Declaration of Conformity				
EU Declaration of Conformity				

Notice :

It will encounter a **User Account Control** dialog box when attempting to install a program, please click **Yes** to start the installation.

		to allow the fo olisher to mak				
Progra Publis File or		Setup.exe Unknown CD/DVD drive				
Show det	ails			Yes		No
		0	hange w	hen these n	otificati	ons app

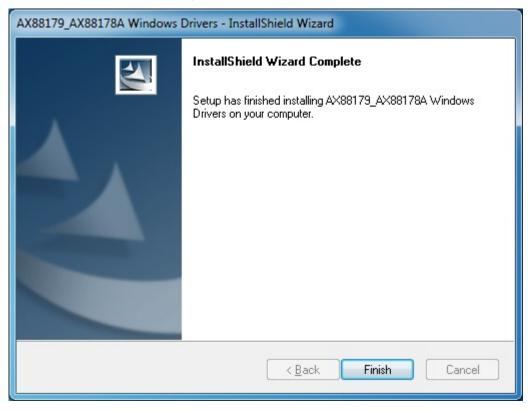
2. Select the language then Click on **OK** to continue this installation.



3. Wait a while for the program to install the driver.

AX88179_AX88178A Windows	Drivers - InstallShield Wizard
	Preparing to Install
	AX88179_AX88178A Windows Drivers Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
	Extracting: ISSetup.dll

4. When the installation is done, click Finish.



Hardware installation

1. Connect the Gigabit Network adapters USB end to a free USB port of your computer. Then a pop-up message will appear in the notification area indicating the installation is complete.



* Actual strings depend on your operation system. These screen shots are from Windows [®]7 and might vary slightly for each operation system.

- 2. Connect an Ethernet cable to the Ethernet port on the adapter.
- 3. Connect the other end of the Ethernet cable to your network hub, switch or router.

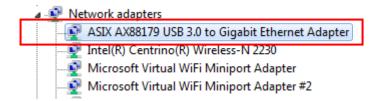
Verifying the Installation

on Windows[®] Operating Systems

Once you finish the installation, you can open Windows[®] **Device Manager** to verify if your Ethernet Adapter is properly installed. To access the **Device Manager**:

- On Windows[®] 7: Right-click Computer on the desktop and click System Properties>Device Manager
- On Windows[®] XP: Right-click My Computer on the desktop and click Properties > (Hardware) > Device Manager.

In the **Network adapters** group, an item named **ASIX AX88179 USB3.0 to Gigabit Network Adapter** should be displayed.



If there is a question or exclamation mark next to that item, then the driver is not properly installed. Please delete the item, select the **Delete the driver software for this device** option (if provided), unplug the adapter from your computer and then repeat the installation steps.

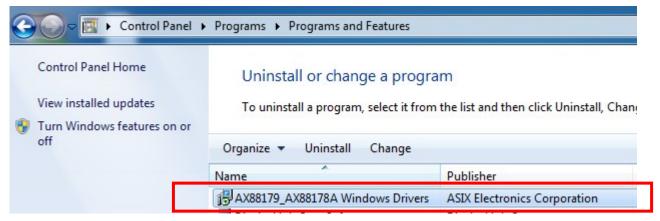
3. Uninstalling the Driver

Uninstalling the Driver

on Windows[®] Operating Systems

Please take these steps to uninstall Driver:

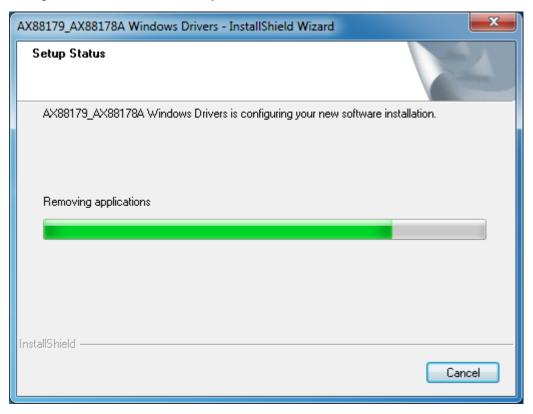
- 1. Open the **Control Panel**, **Programs and Features** and double-click **Uninstall a Program** on Windows 7 or **Add or Remove Programs** on XP.
- 2. Select AX88179_AX88178A Windows Driver and clickUninstall



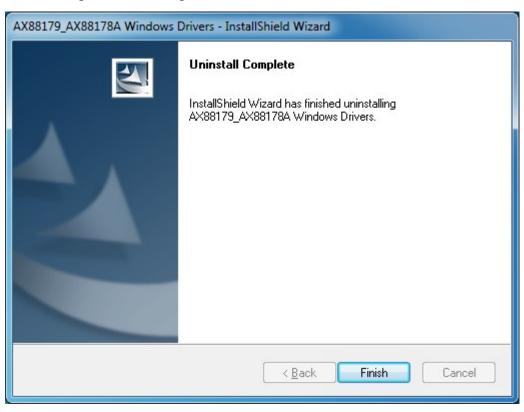
3. Select **[Yes]** to continue the uninstall process.



4. The uninstall process starts automatically.



5. Click **Finish** to complete uninstalls process.



On Mac OS Operating Systems

- 1. Insert the provided driver CD into your CD-ROM drive. Double-click the CD and navigate to the directory of \Driver\Mac\V2.13.0\
- 2. Click the "AX88179_178A.dmg", the AX88179 virtual disk will be appeared on the Desktop of your Mac OS system. (This "AX88179" virtual disk will be auto-removed after rebooting macOS system.)

• •		📃 V2.13.0		
名稱	^	修改日期	大小	種類
AX88179_178	BA.dmg	2018年9月27日 下午4:42	172 KB	磁碟映像檔

3. Click the "AX88179_178A_vx.x.pkg" ("x.x.x" is driver installer revision **number**), the following driver setup dialog will appear. Click the **Continue** button to start the installation operation and follow the instructions to continue the installation.

	AX88179		
SHELL			
AX88179_178A_Uninstall_v15 0.command	AX88179_178A_v2.13.0.pkg		
0.command			
🔴 😑 💿 🛛 🤤 In	stall AX88179/178A USB3.0/2.0 Gig	abit Ethornot Adaptor Driver	0
• ••••			-
	Welcome to the AX88179/178A US	B3.0/2.0 Gigabit Ethernet Adapter Driver Installer	
Introduction	You will be guided through the s	teps necessary to install this software.	
 Destination Select 			
Installation Type			
 Installation 			
 Summary 			
		Go Back Continue	

4. Click the **Install** button to continue the installation operation.

	Standard Install on "apple"
 Introduction Destination Select Installation Type Installation Summary 	This will take 164 KB of space on your computer. Click Install to perform a standard installation of this software on the disk "apple".
	Change Install Location

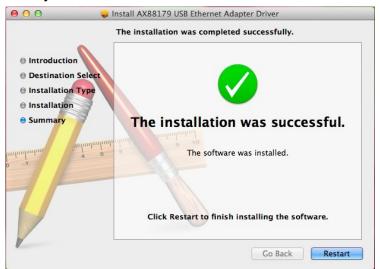
5. You might need to enter your user/password during the driver installation.

	trying to install new software. Type rord to allow this.
Name:	<username></username>
Password:	
	Cancel Install Software

6. Click the [Continue Installation] button to continue the installation operation.



7. Click the **[Restart]** button to restart Mac OS system to take effect the revised driver installation. Now the installation is complete. You can connect the adapter to a network device by an Ethernet cable:



- After booting up your macOS system, plug your AX88179/AX88178A USB onto the USB port of your macOS system and refer to the following information to double check if your USB had been identified properly by macOS system and the AX88179/AX88178A macOS driver was installed correctly or not.
 - (1) You can check the Vendor/Product ID information of your USB from here.

00	MacBo	ok Pro	
* Hardware	USB Device Tree	A	
ATA	USB 3.0 Hi-Speed Bus		
Audio	▼ USB 3.0 SuperSpeed Bu	15	
Bluetooth	AX88179		
Camera	▼USB Hi-Speed Bus		
Card Reader	▼Hub		
Diagnostics			
Disc Burning	Apple Interna	Keyboard / Trackpad	
Ethernet Cards	W BRCM20702 H	łub	
Fibre Channel	Bluetooth	USB Host Controller	
FireWire	IR Receiver		
Graphics/Displays	AX88179:		
Hardware RAID			
Memory	Product ID:	0x1790	
PCI Cards	Vendor ID: Version:	0x0b95 (ASIX Electronics Corporation)	
Parallel SCSI	Serial Number:	1.00 00000EC60024CA	
Power	Speed:	Up to 5 Gb/sec	
Printers	Manufacturer:	ASIX Elec. Corp.	
SAS	Location ID:	0x15200000 / 1	
SATA/SATA Express	Current Available (mA): Current Required (mA):		
SPI	BSD Name:	490	
Storage			
Thunderbolt			
USB			
▼ Network			
Firewall			
asix's MacBook Pro 🕨 Ha	ardware > USB > USB 3.0	SuperSpeed Bus > AX88179	

9. After booting up your Mac OS system, plug USB onto the USB port of your Mac OS system and there is a new Ethernet network interface is available.

$\Theta \Theta \Theta$	Network	
Show All)	Q
	Location: Automatic	\$
AX881thernet Connected PPPoE Not Connected PPPoE 2 Not Connected Wi-Fi Off Ethernet Not Connected Thundt Bridge Not Connected	Status: Status: Configure IPv4: PAddress: Subnet Mask: Router:	Connected AX88179 USB 3.0 to Gigabit Ethernet is currently active and has the IP address 10.1.4.207. Using DHCP \ddagger
+ - 🌣		Advanced ?

Regulatory Compliance

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

CE

This device complies with the following regulations: EN 55 022: CLASS B

WEEE Information

For EU (European Union) member users:

According to the WEEE (Waste electrical and electronic equipment) Directive, do not dispose of this product as household waste or commercial waste. Waste electrical and electronic equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.

CE