

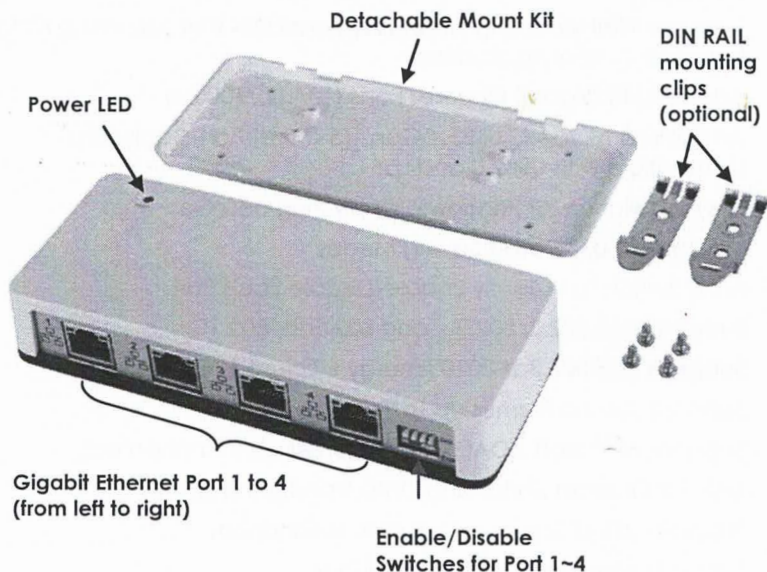
4-Port Gigabit Ethernet to USB3.1 Gen 1 Adapter (w/ Type-C Connector) Installation Guide

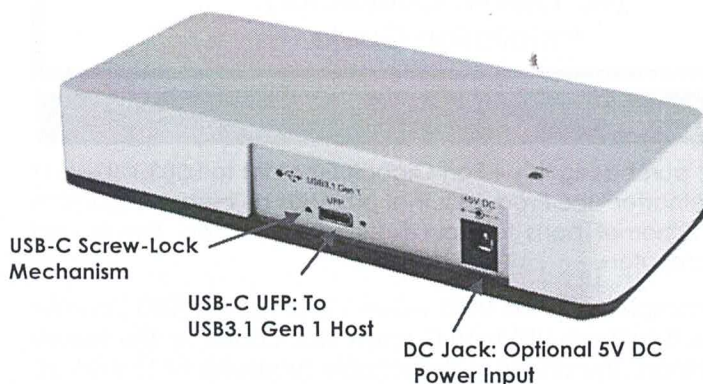
1. Introduction

Thank you for purchasing this 4-Port Gigabit Ethernet to USB3.1 (Gen 1) Adapter (hereinafter "the Product") that provides an instant expansion of 4 Gigabit Ethernet ports for your Notebook, Desktop, Server and Thin-Client computers.

The Product complies with the USB3.1 Gen 1 and 10/100/1000 Ethernet specifications. It supports USB type-C screw lock cables for the secure cable connection. The universal detachable mounting kit to provide different mounting options for many applications.

2. Connector Layout





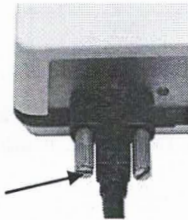
Features:

- ✓ Compliant with USB Specification 3.1 Gen 1
- ✓ Supports Wall Mounting Kit and Optional DIN RAIL Mounting Kit for Industrial Critical Applications
- ✓ Adds 4 RJ45 Gigabit Ethernet Ports (10/100/1000M)
- ✓ An Upstream Type-C USB3.1 Gen 1 (5 Gbps) Port, Backward Compatible with USB2.0 and USB1.1
- ✓ Easy Installation for Windows, Simply Plug and Go
- ✓ Supports all USB Power Saving Modes
- ✓ A DIP Switch to Instantly Enable/Disable Each Port
- ✓ Supports IEEE 802.3, 802.3u, and 802.3ab, 802.1Q
- ✓ Supports IEEE 802.3az-2010 (Energy Efficient Ethernet)
- ✓ Supports Jumbo Frames up to 9K Bytes
- ✓ Supports Microsoft AOAC (Always On Always Connected)
- ✓ LEDs for Ethernet Status and Data Transferring Speed
- ✓ Supports USB-C Screw-Lock Cable Mechanism
- ✓ Supports Windows, Mac OS and Linux

Connectors and LED Indicators:

- **DC Jack Power Connector:** An optional power supply is connected to here if the bus power of the host USB port is not enough. In most of cases you don't need to connect any external power supply on this connector unless your USB port does have a problem to power up the Product.
- **PWR LED (Green):** It lights steadily when the Product is correctly powered.
- **Type-C USB Upstream Facing Port Connector:** It should be connected to the PC's USB host port or a USB Hub's Downstream Facing Port via a USB C-to-A or C-to-C cable. This connector supports USB-C screw lock mechanism for the USB-C screw-lock cable. The following picture show how does it work.

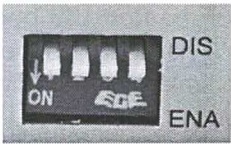
USB-C
Screw-Lock
Cable



- **RJ45 Ethernet Connectors:** The 4 10/100/1000Mbps Ethernet ports. They support auto cross-over feature. You can use the same cable to connect to either a Hub/Switch or a host computer.
- **LAN LED Indicators:** There are 2 LEDs on each RJ45 connector, they are described as the following table:

LED Name	Color	LED Function
Link/Act	Green	Steady on: The Connection on the Ethernet port is built and Active Blinking: Transferring Ethernet Data Off: Ethernet Port Disconnected
Speed	Yellow	Off: 10/100Mbps Mode Steady on: Gigabit (1000Mbps) Mode

Switch Description:



Switch Pin#	Ethernet Port Controlled	Switch Positions	Description
1	Port# 1	OFF	Disabled*
		ON	Enabled* (Default)
2	Port# 2	OFF	Disabled
		ON	Enabled (Default)
3	Port# 3	OFF	Disabled
		ON	Enabled (Default)
4	Port# 4	OFF	Disabled
		ON	Enabled (Default)

- ***Switch Pin# 1 also controls the onboard Windows drivers. When it is set ON, it enables the drivers. Otherwise, it disables the onboard Windows drivers.**

3. Installing the Product

Review the settings of the 4-pin DIP switch on the front panel. By default, all 4 switch pins are set ON to enable all 4 Gigabit Ethernet ports. It is OK if you don't care which port will be detected by the Windows first. However, because Windows usually tries to install all ports simultaneously and aligns them depends on which one is detected first. As a result, it won't guarantee the port numbers are aligned as the Product's front panel marked (1, 2, 3, and 4 from left to right). To solve this problem, you can use the DIP switch to enable the ports sequentially. Here is the procedure:

1. Set switch Pin 2, 3, 4 to OFF, only let Pin 1 is ON.
2. Plug the USB cable to the host PC, Windows then will install the drivers automatically (the following dialog box will appear if this is first time you plug in the Product)



You will see only the Port 1 shown on Windows Device Manager, assigned as Ethernet Port #1

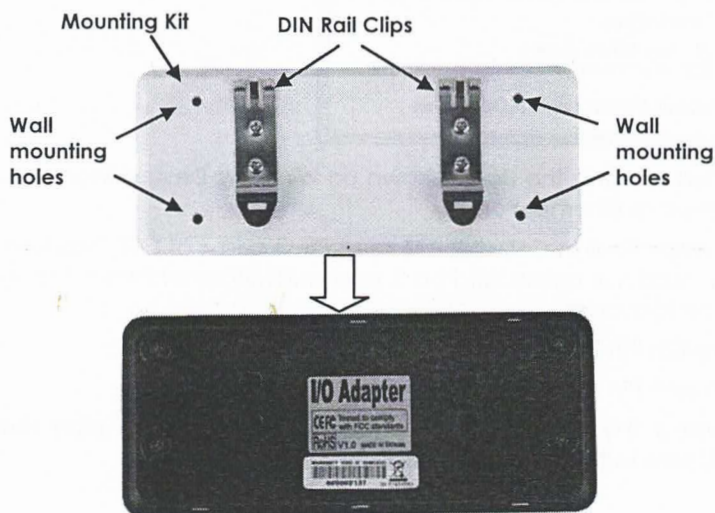
3. Set switch Pin 2 to ON while still keep Pin 3 and 4 at OFF, Windows then install the drivers for Port 2 and adds Ethernet Port #2 to its Device Manager
4. Set switch Pin 3 to ON, adds Ethernet Port #3
5. Set switch Pin 4 to ON, adds Ethernet Port #4

After installed the drivers for all ports, you are ready to plug the Network Cable to the RJ45 connectors of the Product.\

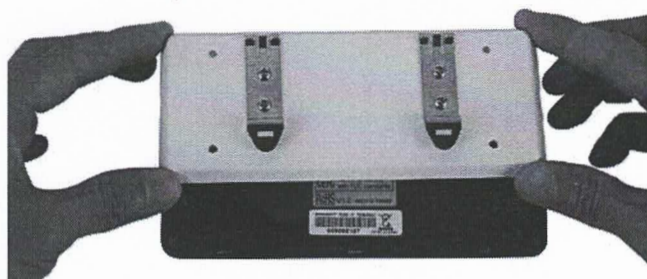
4. Mounting the Product

The Product provides a detachable mounting kit that can mount it wall or a DIN Rail (with optional DIN Rail clips). The following procedures show how to install the DIN Rail Mounting Kit:

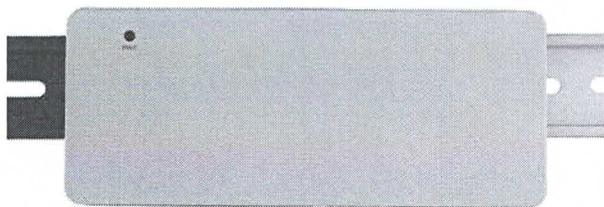
1. Installing the 2 DIN Rail Clips on the Mounting Kit



2. Assemble the mounting kit at the bottom of the Product:



3. Assemble the Product on the DIN Rail:



5. Environmental Specifications

Power requirements:	5V DC, 490mA (max)
Operating temperature:	0 to 55°C (32 to 131°F)
Operating humidity:	5 to 95% RH