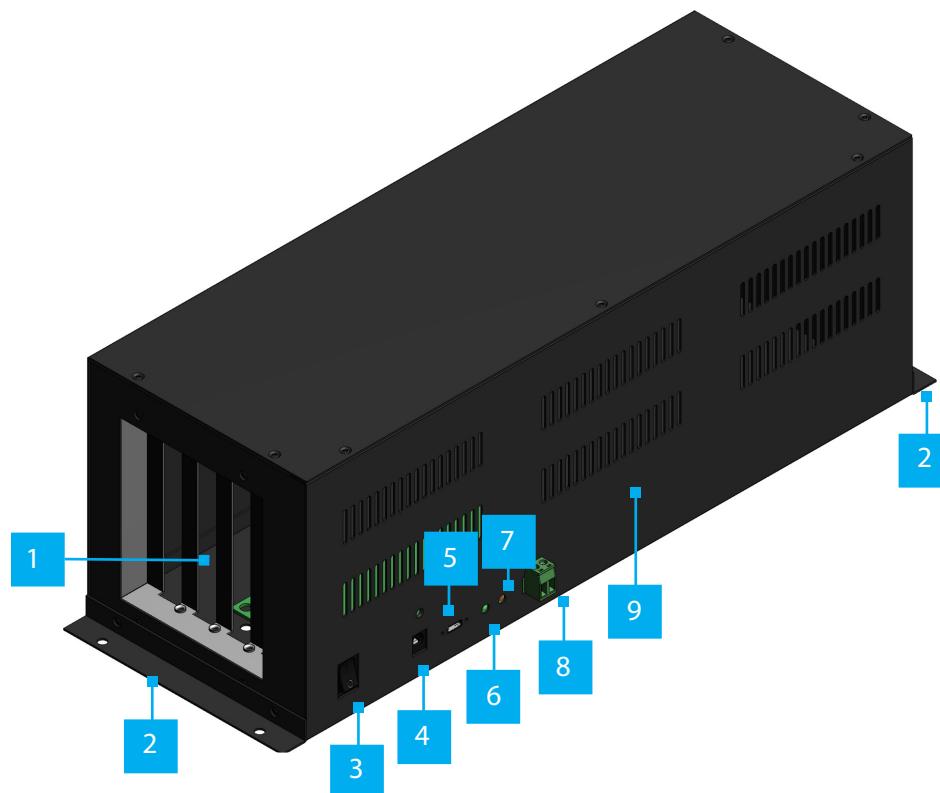


## PCIe 2.0 to 4 PCIe Slots Expansion Chassis - USB Type-C

### Product Diagram (4PCIE-PCIE-ENCLOSURE)

#### PCIe Expansion Chassis

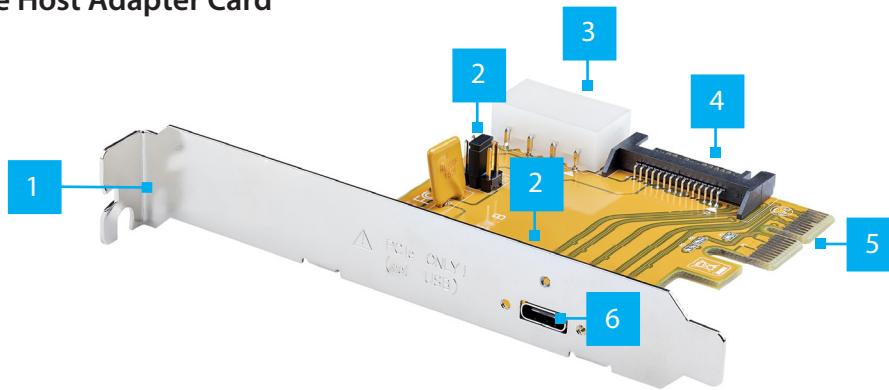


\*Product may vary from image

Port/LED/Connector	Function
<b>1</b> PCIe Expansion Slots	<ul style="list-style-type: none"> <li>Install up to <b>Four PCIe cards</b></li> <li>PCIe version 2.0 x1 slots</li> <li>10 Gbps aggregate host bandwidth</li> <li>Full length cards supported</li> </ul>
<b>2</b> Mounting Brackets	<ul style="list-style-type: none"> <li>(Optional) Allows for a permanent installation of the <b>PCIe Expansion Chassis</b> to a flat and stable surface</li> <li><b>Mounting Holes at the Front and Back of the PCIe Expansion Chassis</b> secure the <b>Mounting Brackets</b></li> </ul>
<b>3</b> On/Off Switch	<ul style="list-style-type: none"> <li>Turns the <b>Expansion Chassis On or Off</b></li> <li>The correct sequence to power the device: <ul style="list-style-type: none"> <li>Power on: Power <b>On</b> the <b>PCIe Expansion Chassis</b> first, then the <b>Host Computer</b></li> <li>Power off: Power <b>Off</b> the <b>Host Computer</b> first, then the <b>PCIe Expansion Chassis</b></li> </ul> </li> </ul>
<b>4</b> DC Power Port	<ul style="list-style-type: none"> <li>Connect the <b>PCIe Expansion Chassis</b> to a <b>Power Source</b> using the included <b>Power Adapter</b></li> <li>Recommended 12 V and 3 A. Supports 12 to 24 V input</li> </ul>
<b>5</b> USB Type-C Connector	<ul style="list-style-type: none"> <li>Used to connect the <b>PCIe Expansion Chassis</b> to a <b>Host Computer</b></li> <li>If the <b>USB Type-C Cable</b> is disconnected during use, the <b>Host Computer</b> must be restarted to reestablish the connection</li> <li>For a secure and correct cable connection, threaded holes around the <b>USB Type-C Connector</b> allow to <b>Screw-lock</b> the included <b>USB Type-C Cable</b></li> </ul>
<b>6</b> USB Type-C LED Indicator	<ul style="list-style-type: none"> <li>Indicates if the included <b>USB Type-C-Cable</b> is on the correct orientation. The cable is not reversible <ul style="list-style-type: none"> <li>Solid Green = Correct orientation</li> </ul> </li> </ul>
<b>7</b> Power LED Indicator	<ul style="list-style-type: none"> <li>Indicates if the <b>On/Off Switch</b> is turned <b>On</b> or <b>Off</b></li> <li>Solid Red = On</li> <li>Off = Off</li> </ul>
<b>8</b> Terminal Block Connector	<ul style="list-style-type: none"> <li>Connect the <b>PCIe Expansion Chassis</b> to a <b>DC Power Source</b></li> <li>Recommended 12 V and 3 A. Supports 12 to 24 V input</li> </ul>
<b>9</b> Metal Cover	<ul style="list-style-type: none"> <li>Remove the <b>Metal Cover</b> to install the <b>PCIe cards</b></li> </ul>

To view manuals, FAQs, videos, drivers, downloads, technical drawings, and more, visit [www.startech.com/support](http://www.startech.com/support).

## PCIe Host Adapter Card



	Port/LED/Connector	Function
1	Bracket	<ul style="list-style-type: none"> <li>Secures the card to the <b>Host Computer Case</b>. The <b>Full-height Bracket</b> comes pre-installed</li> </ul>
2	JP1 Jumper (BUS PWR) JP2 Jumper (WAKE) (not visible in image)	<ul style="list-style-type: none"> <li>Enables the <b>PCIe Host Adapter Card</b> to provide power to the <b>PCIe Expansion Chassis</b> via the <b>USB Type-C Cable</b>.           <ul style="list-style-type: none"> <li>Three position are available for <b>JP1</b>: 12V, NC (default), and 5V</li> <li>To inject power via the <b>PCIe Host Adapter Card</b> it must be used in combination with <b>JP1</b> and <b>JP2</b> on the <b>PCIe Expansion Chassis</b></li> </ul> </li> <li>Enables the <b>PCIe WAKE# Pin</b>, and allows to wake the <b>Host Computer</b> when <b>Wake-on-LAN (WoL) Packets</b> have been received. A <b>WoL</b> capable <b>Network Card</b> must be installed in the <b>PCIe Expansion Chassis</b>.           <ul style="list-style-type: none"> <li>Two positions are available for <b>JP2</b>: DIS (disabled) and ENA (default)</li> </ul> </li> </ul>
3	LP4 Power Connector	<ul style="list-style-type: none"> <li><b>Optional:</b> Connect the <b>Host Computer Power Supply</b></li> </ul>
4	SATA Power Connector	<ul style="list-style-type: none"> <li><b>Optional:</b> Connect the <b>Host Computer Power Supply</b></li> </ul>
5	PCIe x2 Connector	<ul style="list-style-type: none"> <li>Insert into a <b>PCIe Slot</b> on the host Host Computer</li> </ul>
6	USB Type-C Connector	<ul style="list-style-type: none"> <li>Used to connect the <b>PCIe Host Adapter Card</b> to the <b>PCIe Expansion Chassis</b></li> <li>For a secure and correct cable connection, threaded holes around the <b>USB Type-C Connector</b> allow to <b>Screw-lock</b> the included <b>USB Type-C Cable</b></li> </ul>

## Package Contents

- PCIe to PCIe Expansion Chassis x 1
- PCIe Host Adapter Card

- 6ft (1.8m) USB Type-C to C Male to Male Cable x 1
- Low-Profile Bracket x 1
- Power Adapter x 1
- Terminal Block Connector x 1
- Mounting Brackets x 2
- Mounting Brackets Screws x 4
- Quick-Start Guide x 1

## Requirements

For the latest requirements, please visit [www.startech.com/4PCIE-PCIE-ENCLOSURE](http://www.startech.com/4PCIE-PCIE-ENCLOSURE)

- Host Computer with an available PCIe Slot (x2, x4, x8, or x16)
- Phillips head screwdriver

## Installation

## WARNING!

**Static electricity** can severely damage the PCIe card(s) ensure that you are adequately grounded before you open your Host Computer case or touch the PCIe card(s). You should wear an anti-static strap or use an anti-static mat when installing any Host Computer component. If an anti-static strap isn't available, discharge any built-up static electricity by touching a large grounded metal surface for several seconds. Only handle the PCIe card(s) by the edges and don't touch the golden connectors.

## Install the PCIe Host Adapter Card

- Turn **Off** the **Host Computer** and any **Peripheral Devices** that are connected to it (e.g. printers, external hard drives, etc.).
- Unplug the **Power Cable** from the back of the **Host Computer**.
- Disconnect any **Peripheral Devices** that are connected to the **Host Computer**.
- Remove the **Cover** from the **Host Computer Case**. Consult the documentation that came with the **Host Computer** for details about doing this safely.
- Locate an available **PCIe Slot** and remove the corresponding **Slot Cover Plate** from the back of the **Host Computer Case**. Consult the documentation that came with the **Host Computer** for details about doing this safely. The **PCIe Host Adapter Card** works in **PCIe x2, x4, x8, or x16 Slots**.
- Gently insert the **PCIe Host Adapter Card** into the **PCIe Express Slot** and fasten the **Bracket** to the back of the **Host Computer Case**.
 

**Note:** If you install the **PCIe Host Adapter Card** into a small form factor or a low-profile desktop system, it may be necessary to replace the pre-installed standard full-height bracket with the included low-profile bracket.
- (Optional) Connect a **SATA Power Cable** or **LP4** from the **Host Computer Power Supply**.
- Return the **Cover** onto the **Host Computer Case**.

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10. Reconnect the **Power Cable** to the back of the **Host Computer**.

11. Reconnect all of the **Peripheral Devices** disconnected in **Step 1**.

## Install PCIe Cards in the PCIe Expansion Chassis

**Sharp edges!** Be mindful of the sharp edges around the PCIe Expansion Chassis when the Metal Cover is removed.

1. Turn **Off** the **PCIe Expansion Chassis** and unplug all cable connections.
2. Release the **Metal Cover** by removing the **Screws** (x 12) using a **Phillips Head Screwdriver**. The **Screws** are located on top and the opposite side of the connectors on the **PCIe Expansion Chassis**.
3. (Optional) The **JP2** and **JP1 Jumper** settings on the board allow you to choose different power settings. (Figure 1)

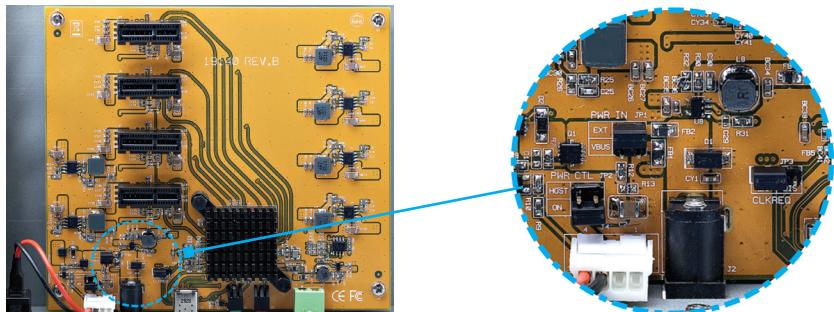


Figure 1

	Jumper	Function
1	JP1 Jumper (PWR IN)	<ul style="list-style-type: none"><li>• <b>EXT</b> (default) receives power from the <b>DC Power Port</b> or <b>Terminal Block Connector</b></li><li>• <b>VBUS</b> receives power from the <b>PCIe Host Adapter Card</b><ul style="list-style-type: none"><li>• It must be used in Combination with <b>JP2</b> (PWR CTL) set to <b>HOST</b></li></ul></li></ul>

### Regulatory Compliance

#### FCC - Part 15

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

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. Changes or modifications not expressly approved by StarTech.com could void the user's authority to operate the equipment.

#### Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

CAN ICES-3 (B)/NMB-3(B)  
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

(1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

(1) L'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

#### Warranty Information

This product is backed by a two years warranty.

For further information on product warranty terms and conditions, please refer to [www.startech.com/warranty](http://www.startech.com/warranty).

2	JP2 Jumper (PWR CTL)	<ul style="list-style-type: none"><li>• <b>HOST</b> the <b>PCIe Host Adapter Card</b> provides power<ul style="list-style-type: none"><li>• <b>JP1</b> (BUS PWR) on the <b>PCIe Host Adapter Card</b> must be on the <b>12V</b> or <b>5V</b> Position</li><li>• <b>ON</b> (default) the <b>PCIe Expansion Chassis</b> provides power from the <b>DC Power Port</b> or <b>Terminal Block Connector</b></li></ul></li></ul>
3	JP3 (CLKREQ)	<ul style="list-style-type: none"><li>• Keep it on the default <b>Enabled</b> (ENA) position at all times</li></ul>

4. Locate an available **PCIe Slot** on the **Expansion Chassis**, using a **Phillips Head Screwdriver** remove the corresponding **Slot Cover Plate** from the **PCIe Expansion Chassis**.
5. Gently insert the **PCIe Card** (s) into the **PCIe Slot** and fasten the **Bracket** to the **PCIe Expansion Chassis**. The **PCIe Expansion Chassis** supports **PCIe Cards x1** only.
6. Install the **Metal Cover** back onto the **PCIe Expansion Chassis**.
7. **Screw-Lock** the **USB Type-C Cable** onto the **PCIe Expansion Chassis** and the **PCIe Host Adapter Card** on the **Host Computer**. This ensures the correct cable orientation.
8. Connect the **Power Adapter** or use the optional **Terminal Block Connector** to supply power. Turn **On** the **Expansion Chassis** by flipping the **On/Off Switch**.
9. Turn **On** the **Host Computer**.

**Note:** No drivers are needed for the **PCIe Expansion Chassis**. Some **PCIe Cards** may need drivers to finish their installation.

## (Optional) Install the Mounting Brackets

1. Use the **Mounting Screws** (x 2) and **Phillips Head Screwdriver** to fasten the **Front Mounting Bracket** on the **PCIe Expansion Chassis**.
2. Repeat **Step 1** to install the **Rear Mounting Bracket**.

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### Safety Measures

- Read the entire manual and ensure the instructions are fully understood before assembling and/or using this product.

### Mesures de sécurité

- Lisez tout le manuel et assurez-vous que vous comprenez les instructions avant de commencer à assembler et utiliser ce produit.

### 安全対策

- 最初に取扱説明書を最後まで読み、本製品の組み立て方をすべて理解してから組み立て作業を始めて下さい。

### Misure di sicurezza

- Leggere l'intero manuale e assicurarsi di aver compreso tutte le istruzioni prima di iniziare ad assemblare e a utilizzare questo prodotto.

### Säkerhetsåtgärder

- Läs hela manuallen och se till att du förstår instruktionerna innan du börjar montera och använda produkten.

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