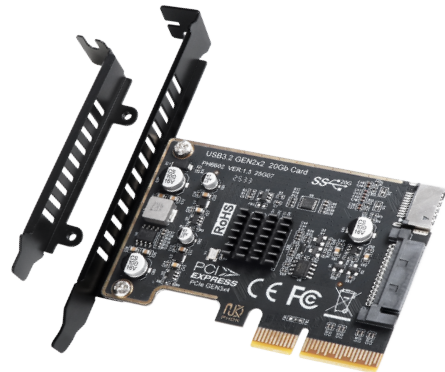


GRAUGEAR®

# USB 3.2 GEN 2x2 20Gbps EXPANSION CARD

Support USB 20Gbps with USB Type-E Key A



www.graugear.de

G-PCI-E-20G

## Package Contents



Low profile bracket



User Manual



G-PCI-E-20G



Service Card

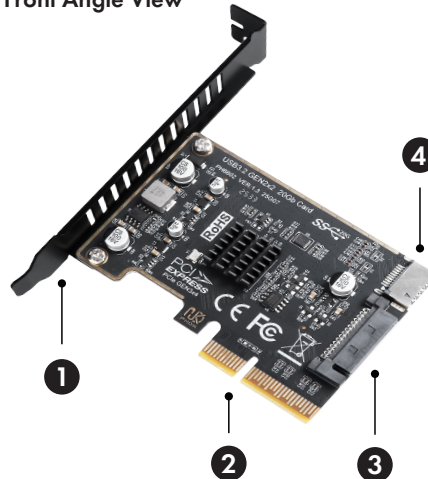
## Features

- Easily add or upgrade your PC with fast USB Type-E Key A port connectivity up to 20Gbps with a PCI Express (PCIe) host card
- PCIe x4 card fits easily in PCIe x4, x8 and x16 slot
- Expands a single external Type-C port to the system
- Includes optional low profile slot cover for supporting low profile cases
- Supports Windows & Linux

## Specification

- Ports : Type-E Key A
- Interface : PCI Express Gen4
- Data Rates : 20Gbps (USB 3.2 Gen 2x2)
- Wide OS compatibility : Windows 8.x/10  
Linux 3.2, 3.10, 3.12, 4.2 and 4.4

## Front Angle View



|   | Port                  | Function                                                                   |
|---|-----------------------|----------------------------------------------------------------------------|
| 1 | Bracket               | • Configurable for Full Profile and Low Height installations               |
| 2 | PCIe x4 Connector     | • Connect the USB Card to the PCIe Slot in the Computer                    |
| 3 | SATA 15-Pin connector | • SATA power supplies supplemental power to the internal 20-pin Key-A port |
| 4 | Type-E Port           | • Connect a USB Peripheral Device<br>• SuperSpeed USB 20Gbps               |

## Installing the USB Card

1. Turn off the Computer and any Peripheral Devices that are connected (e.g. printers, external hard drives, etc.).
2. Unplug the Power Cable from the rear of the Computer and disconnect any Peripheral Devices that are connected.
3. Remove the Cover from the Computer Case.
4. Locate an open PCI Express Slot (x4, x8, or x16) and remove the corresponding Metal Cover Plate from the rear of the Computer Case. In most instances, the Metal Cover Plate is attached to the rear of the Computer Case with a single Screw. Save this Screw for the next step.
5. Gently insert the USB Card into the open PCI Express Slot and fasten the Bracket to the rear of the Computer Case using the Screw from step 4.
6. Place the Cover rear onto the Computer Case.
7. Reconnect the Power Cable to the rear of the Computer.
8. Connect a USB Peripheral Device to the Type-E Port on the USB Card.

## Installing the Low Profile Bracket

By default the Full Profile Bracket is attached to the USB Card. Depending on the system configuration it may be necessary to remove the Full Profile Bracket and replace it with the Low Profile Bracket (included).

1. Using a Small Phillips Head Screwdriver, remove the two Bracket Screws securing the Full Profile Bracket to the USB Card.
2. Align the Screw Holes on the USB Card with the Screw Holes on the Low Profile Bracket. Making sure the USB Card is sitting on-top of the Screw Holes on the Low Profile Bracket.
3. Insert the Bracket Screws through the USB Card and into the Screw Holes on the Low Profile Bracket.
4. Using the Small Phillips Head Screwdriver, tighten the Bracket Screws, being careful not to over-tighten.

## Safety information

For your own safety and to avoid physical damage as well as damage to property, equipment and loss of data, please observe the following instructions

### Warning signs

- DANGER** You will be alerted to an imminently hazardous situation which may result in serious injury or even death!
- WARNING** You will be alerted to a potentially dangerous situation that could result in serious injury, even death!
- CAUTION** You will be alerted to a potentially dangerous situation that may result in minor injury!
- IMPORTANT** Your attention is drawn to a possible situation that could result in property damage and possibly environmental damage and disrupt operations.

### 1. Dangers due to electric current and voltage!

- WARNING**
- Avoid any contact with electrically conductive parts, there is a danger to life due to electric shock.
- Please read the operating instructions before use.
- Make sure the product is not energized before opening or working on it.
- Please do not remove the contact protection cover under any circumstances.
- Avoid contact with live parts.
- Do not touch any plug-in connectors with metallic or pointed objects.
- Use the product only in designated environments.
- If necessary, operate the product only with power supplies that correspond to the nameplate.
- Do not expose the product or power supply to moisture and liquid, steam and dust.
- Do not make any independent modifications to the product.
- Do not connect / use the product during a thunderstorm.
- In case of repair, please contact the specialist dealer or Graugear.

### 2. Possible dangers during assembly due to sharp-edged components!

Cutting and hand injuries possible during assembly.

- CAUTION**

- Please read the operating instructions before assembly.
- Avoid contact with sharp or pointed objects.
- Do not use force during assembly.
- Only use suitable tools or supplied accessories and tools.

### 3. Danger of heat generation due to insufficient ventilation of the product/power supply!

In this case, overheating and/or failure of the product/power supply unit is possible.

- IMPORTANT**

- Avoid external heat supply and provide air exchange.
- Keep fan outlets and heat sinks free.
- Avoid direct sunlight on the product/power supply.
- Make sure there is enough environmental space for the product/power supply.
- Do not place any objects on the device/power supply.

### 4. Danger of suffocation! Danger due to small parts and packaging!

- WARNING**

- Please be sure to read the instructions for use.
- Keep small parts and accessories safe from children.
- Keep and dispose of plastic bags and packaging from children.
- Never put small parts and packaging into children's hands!

### 5. Possible data loss / data loss during commissioning.

Irrecoverable data loss possible!

- IMPORTANT**

- Please be sure to read the operating instructions.
- Use the product only if all specifications and requirements are met.
- Always perform a data backup of storage media to be installed.
- Always perform a data backup before commissioning.
- Always perform a data backup before connecting new hardware.
- Only use the accessories supplied with the product.

### 6. Cleaning of the product.

Damaging cleaning agent - scratches, color changes, moisture damage or short circuit on the device.

- IMPORTANT**

- Take the product out of operation before each cleaning.
- Do not use aggressive / harsh cleaners.
- Make sure that there is no residual moisture in the device after cleaning.
- It is best to use an antistatic cloth for cleaning.

### 7. Disposal of the product - environmental pollution, recycling not possible!

- IMPORTANT**

"The adjacent symbol on the product and packaging indicates that this product must not be disposed of with other household waste. If necessary, remove old batteries, rechargeable batteries and lamps before returning the product (if possible without destroying the old device and if it is not to be reused). According to the Waste Electrical and Electronic Equipment (WEEE) Directive, you may not dispose of this product and any batteries/rechargeable batteries it may contain in your normal household waste. If you wish to dispose of this product/batteries, please take them to a suitable disposal point (recycling collection point in your city) or return them to your point of purchase."

If you have any questions, please do not hesitate to contact our support at [support@graugear.de](mailto:support@graugear.de) or visit our website [www.graugear.de](http://www.graugear.de)

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Need Help?



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