StarTech 16C1050 UART 2-Port PCI Express Serial Card with COM Port Activity LEDs – User Guide
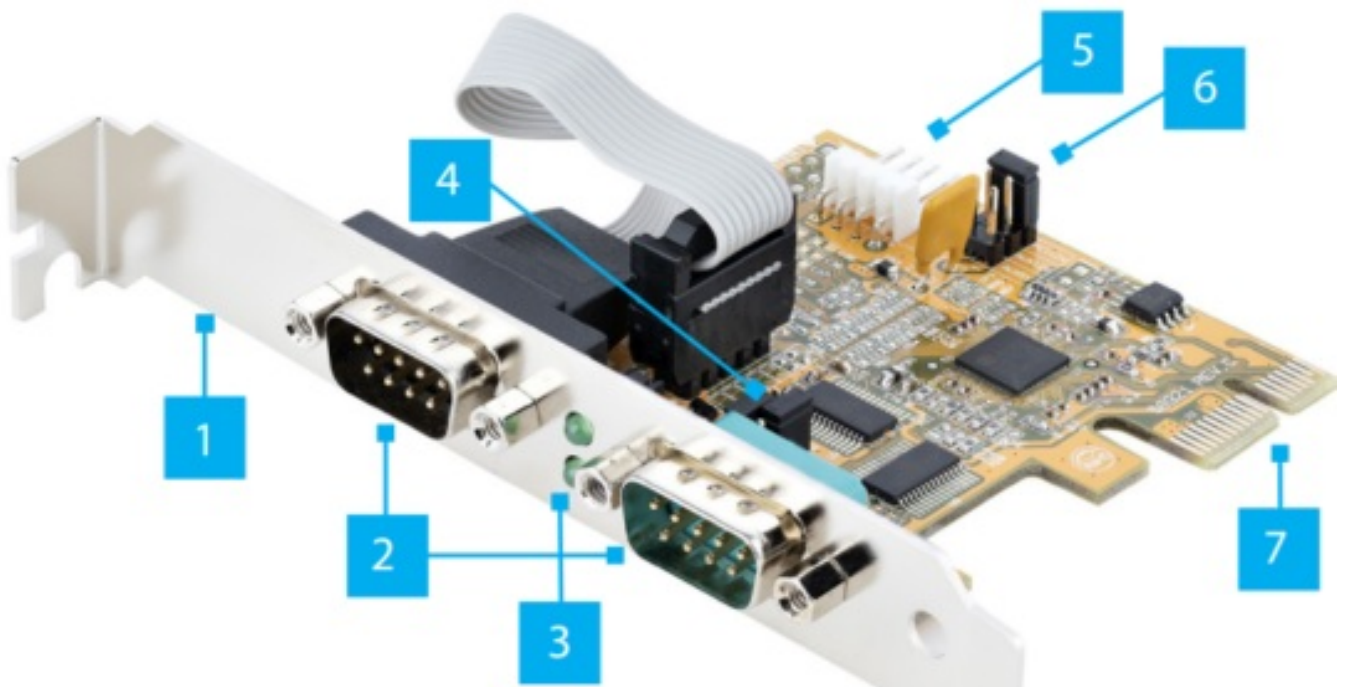
StarTech 16C1050 UART 2-Port PCI Express Serial Card with COM Port Activity LEDs –

Contents

Product Diagram (21050-PC-SERIAL-CARD)

	Port/LED/ Connector	Function
1	Bracket	• Used to secure the card on the **Host Computer**
2	Serial Ports DB-9	• Connect **Serial Peripheral Devices**
3	Activity LEDs	• **Receive** and **Transmit LEDs** illuminate **Green** when there's activity
4	J2 Jumpers	• Used to **Enable** or **Disable Pin 9** power output. The default position is **Disable**
5	J5 Power Connector	• Optional: connect the **Host Computer Power Supply** (4 Pin SP4/Floppy power connector) to Provide Power over **PIN 9**
6	J3 Jumper	• Optional: used to change the voltage output of **Pin 9** • **PCI12V** draws power from the PCIe slot. Outputs **12** • **AUX12V** draws power from the **J5 Power Connector.** Outputs **12V** • **AUX5V** draws power from the **J5 Power Connector.** Outputs **5V**
7	PCIe 2.0 x1 Connector	• Insert into a **PCI Express Slot** on the **Host Computer**

Package Contents

- Serial Parallel PCI Express Card x1
- Low-Profile Bracket x2
- Quick-Star Guide x1

Requirements

For the latest requirements, please visit www.startech.com/21050-PC-SERIAL-CARD

- Computer with an available PCI Express Slot (x1, x4, x8, or x16)

Installation

Install the PCI Express Card

WARNING!

PCI Express Cards can be severely damaged by static electricity. Ensure that you are properly grounded before you open your **Computer Case** or touch the **PCI Express Card**. You should wear an **Anti-Static Strap** when you install any 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 **PCI Express Card** by its edges and don't touch the gold connectors.

1. Turn off your **Computer** and any **Peripheral Devices** that are connected to it (for example, **Printers**, **External Hard Drives**, **etc**.).
2. Unplug the **Power Cable** from the back of your **Computer**.
3. Disconnect any **Peripheral Devices** that are connected to your **Computer**.
4. Remove the **Cover** from your **Computer Case**. Consult the documentation that came with your **Computer** for details about how to do this safely.
5. Locate an open **PCI Express Slot** and remove the corresponding **Slot Cover Plate** from the back of your **Computer Case**. Consult the documentation that came with your **Computer** for details about how doing this This card works in PCI Express x1, x4, x8, or x16 slots.
6. Gently insert the **PCI Express Card** into the open **PCI Express Slot** and fasten the **Bracket** to the back of the **Computer Case**.
   Note: If you install the **PCI Express Card** into a **Small Form Factor** or a **Low-Profile Desktop System**, it's necessary to replace the pre-installed standard **Full-Height Bracket** with the included **Low-Profile Bracket**. The **Serial Port DB-9** that uses the **Ribbon Cable** needs to be installed on a separate **Low-Profile Bracket** .
7. To provide power over **Pin 9,** connect a **4 Pin SP4**/**Floppy power connector** from the **Host Computer Power Supply** to the **J5 Power Connector** on the card.
   a. To set the desired voltage, **5V** or **12V**, insert the jumper cap on the corresponding labeled 2-pin connector on the **J3 Jumper.**
   Note: Verify the **Serial Peripheral Device** supports additional voltage on Pin 9 before making changes. Severe damage to the equipment can occur.
8. Change the jumper caps of J2 Jumpers from **DIS** (disabled) **Pins 1-2 to PWR** (power) **Pins 2-3.**
9. Return the **Cover** onto your **Computer Case.**
10. Reconnect the **Power Cable** to the back of your **Computer.**
11. Reconnect all of the **Peripheral Devices** that were disconnected in **Step 3.**
12. Turn on your **Computer.**

Install the Driver

1. Navigate to **startech.com/21050-PC-SERIAL-CARD**
2. Click the **Drivers**/**Downloads**
3. Under **Driver(s)**, download the **Driver Package** for your operating
4. Open the **Driver Package** and locate the corresponding folder for the **Operating System Version**.
5. Execute the **Setup File** to install the driver package to your

Verify Driver Installation (Windows)

1. Navigate to the **Device Manager**.
2. Under **Ports (COM & LPT)**, right-click **AX99100 PCIe to High Speed Serial Port** and click **Properties**.
3. Confirm that the **Driver** is installed and working as

Verify Driver Installation (Linux)

1. Run **lsmod | grep r8125** from the command
2. Verify that the **Driver** is present in the command

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.

Warranty Information

This product is backed by a two-year warranty. For further information on product warranty terms and conditions, please refer to **www.startech.com/warranty**.

Limitation of Liability

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Documents / Resources

	StarTech 16C1050 UART 2-Port PCI Express Serial Card with COM Port Activity LEDs - [pdf] User Guide 16C1050 UART, 2-Port PCI Express Serial Card with COM Port Activity LEDs -

References

- 🟡 **StarTech.com | IT Pro's Trusted Source for Connectivity Accessories**
- 🟡 **Unsere Produkte dienen IT- und A/V-Profis zum Verbinden, Konvertieren, Erweitern, Splitten und Switchen | Deutschland**
- 🟡 **StarTech.com diseña y fabrica una variada gama de componentes para ordenadores, cables, conmutadores KVM, racks para... | España**
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- 🟡 **StarTech.com ontwerpt en produceert een enorme selectie computeronderdelen, kabels, KVM-switches, serverracks en... | Nederland**
- 🟡 **2-Port PCI Express RS232 Serial Card - Serial Cards & Adapters**
- 🟡 **StarTech.com Support**
- 🟡 **StarTech.com Warranty Policy**