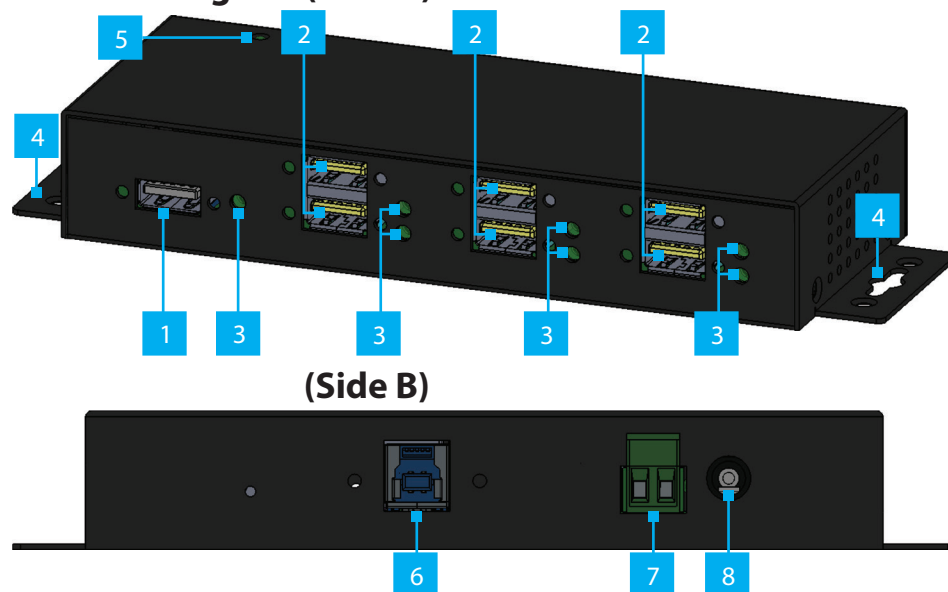


7-Port Managed Industrial USB Hub - USB 3.2 Gen 1 5Gbps, ESD Protection

Product ID

5G7AINDRM-USB-A-HUB

Product Diagram (Side A)



USB Hub Management Software

To utilize the management features of this USB Hub, it is necessary to download and install the software. To download the USB Hub Management Software, as well as the accompanying documentation, please visit:

www.StarTech.com/5G7AINDRM-USB-A-HUB

Requirements

- Host Computer
 - USB-A Port
- 7-24V DC Power Source
- Flat head Screwdriver
- (Optional) Phillips head Screwdriver (for DIN Rail Mounting)

For the latest drivers, manuals, product information, technical specifications, and declarations of conformance, please visit: www.StarTech.com/5G7AINDRM-USB-A-HUB

Component		Function
1	USB-A Data Port (Screw Locking)	<ul style="list-style-type: none"> • Connect USB Peripherals <ul style="list-style-type: none"> • USB 3.2 Gen 1 (5Gbps) • Not Compatible with USB 2.0 (480Mbps) • Supports up to 5 V/0.9 A (4.5 W) of Power
2	6x USB-A Data/Charge Port (Screw Locking)	<ul style="list-style-type: none"> • Connect USB Peripherals <ul style="list-style-type: none"> • USB 3.2 Gen 1 (5Gbps) • Backward compatible with USB 2.0 (480Mbps) • BC 1.2 for up to 5 V/2.4 A (12 W) Charging
3	7x USB Port Status LEDs	<ul style="list-style-type: none"> • Indicates if the Corresponding USB-A Data/Charge Port is Enabled or Disabled <ul style="list-style-type: none"> • Solid Green - USB-A Data/Charge Port Enabled • Off - USB-A Data/Charge Port Disabled • Enable/Disable USB-A Data/Charge Ports within the USB Hub Management Software
4	Mounting Brackets	<ul style="list-style-type: none"> • Mount the USB Hub to a wall or the side/underside of a Desk
5	Power LED	<ul style="list-style-type: none"> • Indicates if the USB Hub is receiving power <ul style="list-style-type: none"> • Solid Green - <i>Receiving Power</i> • Off - <i>Not Receiving Power</i>
6	USB-B Host Port (Screw Locking)	<ul style="list-style-type: none"> • Connect to a USB-A Port on a Host Computer <ul style="list-style-type: none"> • USB 3.2 Gen 1 (5 Gbps)
7	DC 2-Wire Terminal Block Power Input	<ul style="list-style-type: none"> • Connect a +7~24 V DC Power Source <ul style="list-style-type: none"> • 90W or Higher Recommended for Maximum Power Performance
8	DC Power Input (Type-M)	<ul style="list-style-type: none"> • Connect a +7~24 V DC Power Source <ul style="list-style-type: none"> • 90W or higher recommended for maximum power performance • Type-M Barrel (5.5 mm Outside Diameter, 2.1 mm Inside Diameter)

Package Contents

- USB Hub x 1
- 6 ft [1.8 m] USB-A to USB-B Cable x 1
- Terminal Block Connector (Attached) x 1
- Quick-Start Guide x 1
- DIN Rail Mounting Bracket (with Mounting Screws) x 2

To view manuals, FAQs, videos, drivers, downloads, technical drawings, and more, visit www.startech.com/support.

Installation

Notes:

- Connect the **Power Source** after all the other installation steps have been completed.
- There are two ways to power the **USB Hub**.
Using an external **DC Power Adapter** or a **Terminal Block Power Source**. **Voltage (+7 - 24 V DC)**.

Connect the USB Ports

1. Connect up to seven USB peripherals to the **USB-A Data/Charge Ports**, located on the **USB Hub**.
 2. Connect a **USB-A Port** on the **Host Computer** to the **USB-B Host Port**, located on the USB Hub, using the included **USB-A to USB-B Cable**.
- The **Computer** will automatically detect the device.

Power the Hub

Power the Hub Using the 2-Wire Terminal Block

1. Remove the **Terminal Block Connector Housing** from the **USB Hub's Casing**.
2. Loosen the screws for the **Terminals** located on the **Terminal Block Connector**, using a **Flat Head Screwdriver**.
3. Connect the **Positive** and **Negative Wires** from the **7-24V DC Power Source** (not included) to the Terminals on the **Terminal Block Connector**.

Note: Ensure the polarity of the power input is correctly matched with the **DC 2-Wire Terminal Block Pins** to function properly and to prevent damage to the USB Hub and any connected peripherals.

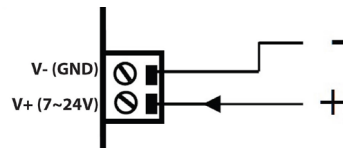


Image 1: Terminal Block Pins

4. Insert the **Terminal Block Connector Housing** back into **USB Hub**.

Power the Hub Using an External Power Adapter

- Connect a **Power Adapter** (not included) to the **DC Power Input (Type-M)**, located on the front of the **USB Hub** and to an **AC Electrical Outlet**.

Internal Bus Power Jumper

Modes:

- **DIS** (Default): The **USB Hub** cannot be **bus-powered** and **MUST** have a power adapter connected to be used.
- **ENA**: The **USB hub** can be **bus-powered** and does not require a power adapter, but it can also be used with one.

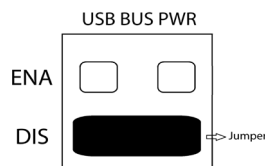


Image 2: This shows the internal bus power jumper set to "DIS" (default)

WARNING! Before opening the device enclosure, ensure that you are properly grounded to prevent electrostatic discharge (ESD) damage. Sensitive electronic components inside this equipment can be irreparably damaged by static electricity.

To reduce the risk of ESD damage:

- Always wear a grounded ESD wrist strap connected to an approved earth ground point
- Work on a static-dissipative surface such as an ESD mat.
- Avoid touching circuit boards, connectors, or component pins directly.
- Ensure that your work environment is free from static build-up, especially in low-humidity conditions.
- Failure to follow these precautions may result in permanent damage to the electronic components and may void the product warranty.

Before opening the box:

- Disconnect all devices from the USB Hub. Remove all power sources including the USB-A to USB-B Host Cable, external DC Power Adapter, and Terminal Block Power Source.
- Ensure you are properly grounded (wrist strap, ESD mat, etc.) to avoid electrostatic discharge damage.
- Remove the terminal block (pull straight out). Remove all external screws securing the housing (two on each end). Gently separate the enclosure halves to expose the internal circuit board. Avoid touching any components other than the jumper area.
- Identify the jumper pins labeled ENA and DIS as in **Image 2**. Refer to the Configuration Modes guide for desired jumper configuration. Use needle-nose pliers or your fingers to gently lift the plastic jumper cap straight up. Avoid bending the pins. Align the jumper cap with the desired pair of pins and press it down firmly until fully seated.
- Reassemble the enclosure and reinstall all screws securely.
- Reconnect power and verify that the device operates correctly under the new configuration.

DIN Rail Mounting

This **USB Hub** includes **DIN Rail Brackets** that can be used to horizontally mount the **USB Hub** to DIN Rails. To install the **DIN Rail Brackets** on the **USB Hub**:

1. Align the **Din Rail Brackets** (x 2) with the DIN Rail Mounting Holes, located on either side at the back of the **USB Hub**.
2. Insert the **Mounting Screws** (x 4) through the **DIN Rail Brackets**, and into the **USB Hub**.
3. Using a Phillips Head Screwdriver tighten the **Mounting Screws**. Be careful not to over-tighten the **Mounting Screws**.

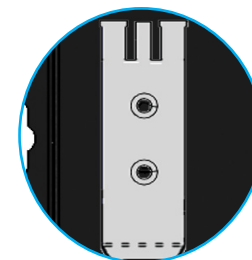


Image 3: DIN Rails Bracket

