

2-Port USB-C Hub with Ethernet and RS-232, Attached USB-C to USB-A Dongle, 100W PD Pass-Through, 2x USB-A 5Gbps, Gigabit Ethernet, RS232 Serial (FTDI)

Product ID: 5G2A1SGBB-USB-C-HUB



This USB Type-C Hub with RS-232 Serial, Gigabit Ethernet, and 100W USB-C Power Delivery Pass-Through adds two USB 3.2 Gen 1 (5Gbps) Type-A ports to a USB enabled computer. The attached 2ft (60cm) USB-C host cable includes a tethered USB-C to USB-A adapter that enables the USB Hub to easily connect to both USB-A and USB-C host computers.

The USB Hub adds an RS-232 serial DB/DE-9M (male) connector to a desktop or laptop. The USB to RS-232 adapter features COM retention, which automatically reassigns the COM port value if the cable is disconnected and reconnected, or if the system is rebooted.

The USB hub features a Gigabit Ethernet Network Interface Controller (NIC). The Ethernet adapter is compatible with the IEEE 802.3u/ab standards and supports Wake-on-LAN (WoL), Jumbo Frames, and V-LAN Tagging. The network adapter enhances laptop network reliability, security, and performance, by utilizing wired 10/100/1000Mbps Ethernet.

This USB hub features 100W USB Power Delivery 3.0 pass-through (85W laptop charging). Connect a power source to the USB-C PD pass-through port to power the connected host device. PD 3.0 features Fast Role Swap (FRS) to prevent USB data disruption when switching power sources (USB-C power adapter to bus power).

The USB hub features Overcurrent Protection (OCP) for added protection to the USB hub and any connected devices. OCP prevents faulty USB peripherals from drawing more power than is safely allocated.

This device is compatible with most major operating systems, including Windows, macOS, and Linux. The Hub is automatically detected, configured, and installed upon connection to a host computer.

Developed to improve performance and security, StarTech.com Connectivity Tools is the only software suite on the market that works with a wide range of IT connectivity accessories. The software suite includes:

USB Event Monitoring Utility: Track and log connected USB devices.

MAC Address Pass-Through Utility: Improve network security.

Wi-Fi Auto Switch Utility: Enable users to quickly access faster network speeds via wired LAN.

For more information and to download the StarTech.com Connectivity Tools application, please visit:
www.StarTech.com/connectivity-tools

Certifications, Reports and Compatibility



Applications

- Add wired internet connectivity to a laptop
- Add RS-232 capabilities to USB-enabled Data Terminal Equipment (DTE) to connect Data Communication Equipment (DCE) peripherals
- Ideal for traveling between home and office

Features

- **2-PORT USB-C HUB:** Portable USB 5Gbps expansion hub features a built-in 2ft USB-C host cable & attached USB-C to USB-A dongle; 2-Port USB Type-A (5Gbps) Hub; Overcurrent Protection; 1x RS-232 Serial Adapter (FTDI); 1x Gigabit Ethernet; 100W PD Pass-Through
- **RS-232 SERIAL:** RS232 serial adapter with FTDI chip and COM retention; USB Enumeration/Transmit/Receive LEDs offer real-time port activity; Max Baud Rate: 115.2 Kbps; 256 Byte FIFO; Odd/Even/Mark/Space/None Parity Modes; 7 or 8 Data Bits; 1 or 2 Stop bits
- **GIGABIT ETHERNET:** Built-in GbE converter to provide the reliability and security of wired Ethernet to a laptop or desktop; GbE controller is fully compatible with IEEE 802.3u/ab standards and supports WoL, Jumbo Frames, and V-LAN Tagging; 10/100/1000 Mbps
- **RELIABLE PERFORMANCE:** Connect an external USB-C power adapter (not included) for 100W Power Delivery 3.0 pass through; 15W is reserved for the adapter to avoid device dropouts or power overdraw that's common in other hubs; Up to 85W for laptop charging
- **OUR ADVANTAGE:** Included connectivity tools for IT Pros and IT help-desk support teams; USB Event Monitoring logs/timestamps USB port usage enabling admins to identify potentially malicious devices, MAC Address Cloning &

WiFi Auto Switch Utilities

Hardware

Warranty	2 Years
USB-C Device Port(s)	No
USB-C Host Connection	Yes
Fast-Charge Port(s)	No
Ports	2
Interface	USB 3.2 Gen 1 (5Gbps) RJ45 (Gigabit Ethernet) Serial
Bus Type	USB 3.2 Gen 1 (5 Gbps)
Industry Standards	IEEE 802.3u, IEEE 802.3ab IEEE 802.3az Energy-Efficient Ethernet, IEEE 802.3x Flow Control, 802.1q VLAN Tagging, 802.1p Layer 2 Priority Encoding USB 3.2 Gen 1 (5Gbps)
Chipset ID	VIA - VL817-Q7 VIA - VL103-Q4 ASIX - AX88179A FTDI - FT232RL

Performance

Maximum Data Transfer Rate	USB: 5 Gbps (USB 3.2 Gen 1) Ethernet: 2 Gbps (Ethernet; Full-Duplex) Serial: 115.2 Kbps
Type and Rate	USB 3.2 Gen 1 - 5 Gbit/s
Serial Protocol	RS-232
UASP Support	Yes
Max Baud Rate	115.2 Kbps

Data Bits	7, 8
FIFO	256 Bytes
Flow Control	Full duplex flow control
Parity	Odd/Even/Mark/Space/None
Stop Bits	1, 2
Auto MDIX	Yes
PXE	Yes
Full Duplex Support	Yes
Jumbo Frame Support	9K max.
Promiscuous Mode	No

Connector(s)

External Ports	2 - USB 3.2 Type-A (9 pin, Gen 1, 5Gbps) 1 - DB 9-pin Serial 1 - RJ-45 1 - USB Type-C (24 pin) USB Power Delivery Only
Host Connectors	1 - USB 3.2 Type-C (24 pin, Gen 1, 5Gbps) 1 - USB 3.2 Type-A (9 pin, Gen 1, 5Gbps)

Software

OS Compatibility	Windows CE (4.2, 5.0, 6.0), XP Embedded, 98SE, 2000, XP, Vista, 7, 8, 8.1, 10, 10 ARM, 11, 11 ARM Windows Server 2003, 2008 R2, 2012, 2012 R2, 2016, 2019, 2022 macOS 10.6 to 10.15, 11.0, 12.0, 13.0, 14.0 Linux Kernel 3.0.x and up - <i><i>LTS Versions only</i></i>
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Indicators

LED Indicators	1 - USB Enumeration LED (Blue) - Illuminates to Indicate the RS-232 Functionality of the USB Hub is in an Operational State 1 - RS-232 Transmitter LED (Yellow) - Illuminates to Indicate Outbound RS-232 Transmissions
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1 - RS-232 Receiver LED (Green) - Illuminates to Indicate Inbound RS-232 Transmissions

Power

Power Source	Bus Powered and Host USB-C Power Adapter
Power Delivery	100W
Power Consumption (In Watts)	15W

Environmental

Operating Temperature	0C to 50C (32F to 122F)
Storage Temperature	-20C to 70C (-4F to 158F)
Humidity	0% to 95% RH

Physical Characteristics

Color	Space Gray
Form Factor	Compact
Cable Length	23.6 in [60 cm]
Product Length	2.2 in [5.5 cm]
Product Width	5.0 in [12.8 cm]
Product Height	0.7 in [1.9 cm]
Weight of Product	3.7 oz [105.0 g]

Packaging Information

Package Quantity	1
Package Length	5.7 in [14.5 cm]
Package Width	8.4 in [21.3 cm]
Package Height	1.3 in [3.4 cm]
Shipping (Package) Weight	6.0 oz [171.0 g]

What's in the Box

Included in Package	1 - USB-C Hub
	1 - Quick-Start Guide

****Product appearance and specifications are subject to change without notice.***