

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:

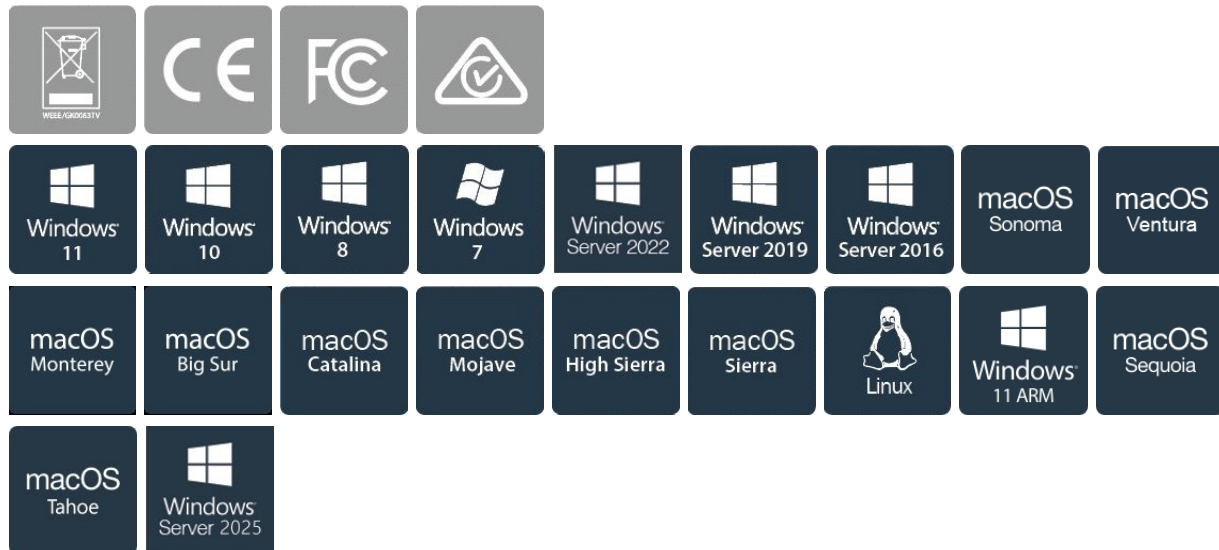
USB Event Monitoring Utility: Track and log connected USB devices.

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:
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Certifications, Reports and Compatibility



Applications

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

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

General

UPC	065030899284
Package Quantity	1
Warranty	2 Years

Power

Power Source	Bus Powered and Host USB-C Power Adapter
Power Delivery	100W
Power Consumption	15W

Physical & Environmental

Color	Space Gray
Cable Length	23.6 in [600 mm]
Product Length	2.2 in [55.0 mm]
Product Width	5.0 in [128.0 mm]
Product Height	0.7 in [19.0 mm]
Weight of Product	3.7 oz [105.0 g]
Operating Temperature	0C to 50C (32F to 122F)
Storage Temperature	-20C to 70C (-4F to 158F)
Humidity	0% to 95% RH

Performance

Total Available Power Output	15 W
Maximum Data Transfer Rate	USB: 5 Gbps (USB 3.2 Gen 1) Ethernet: 2 Gbps (Ethernet; Full-Duplex) Serial: 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
Max Baud Rate	115.2 Kbps
Serial Protocol	RS-232
Type and Rate	USB 5Gbps
UASP Support	Yes
Compatible Networks	10/100/1000 Mbps
Auto MDIX	Yes
Full Duplex Support	Yes
PXE	Yes
Jumbo Frame Support	9K max.
Promiscuous Mode	No
Wake-On-LAN (WOL)	Yes

Hardware

USB-C Device Port(s)	No
USB-C Host Connection	Yes
Fast-Charge Port(s)	No
Number of 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
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
	1 - RS-232 Receiver LED (Green) - Illuminates to Indicate Inbound RS-232 Transmissions

Packaging & In-the-Box

Included in Package	1 - USB-C Hub
	1 - Quick-Start Guide
Package Width	8.5 in [216 mm]
Package Depth	5.9 in [149 mm]
Package Height	1.4 in [36 mm]
Shipping (Package) Weight	5.9 oz [168 g]

Connector(s)

Host Connector 1 (Quantity)	1
Host Connector 1	USB-C (5Gbps, 4.5W)
Host Connector 2 (Quantity)	1
Host Connector 2	USB-A (5Gbps, 4.5W)
Connector 1 (Quantity)	2

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