7-Port Managed USB Hub with 7x USB-A, Heavy Duty with Metal Industrial Housing, ESD & Surge Protection, Wall/Desk/Din-Rail Mountable, USB 3.0/3.1/3.2 Gen 1 5Gbps

Product ID: 5G7AINDRM-USB-A-HUB



This 7-port Managed Industrial USB 3.2 Gen 1 (5Gbps) Hub enables users to toggle individual USB ports on/off and to reboot the hub, using the USB Hub Administrator Software (free to download). With robust housing and versatile power input options, the USB Hub is designed to cater to the needs of IT Professionals working in industrial settings such as factories, warehouses, offices, and other similar environments.

The USB Hub Administrator Software is to be installed on the host computer, enabling users to remotely control device access and manage operational features. With this software, users can:

• Enable or disable individual or all ports on the USB Hub.

• Reboot the USB Hub.

• Set a password to restrict unauthorized access.

• Save port states for quick setup in specific applications.

• Utilize Command Line Interface (CLI) commands for command-line operation or custom application development.

The software is compatible with Windows, macOS, and Linux, making it versatile across different platforms. It supports an unlimited number of Managed USB Hubs, allowing users to connect multiple Hubs to a single host computer or cascade them in sequence.

The Industrial USB Hub features a rugged heavy-duty metal enclosure designed to shield the hub from potential damage caused by accidental drops or sudden impacts. Moreover, it protects against Electrostatic Discharge (ESD) with 15kV air and 8kV contact Level-4 ESD protection. This robust construction ensures resiliency in demanding industrial environments, providing peace of mind for users in situations where durability and reliability are paramount.

The USB Hub offers power flexibility to cater to diverse user needs. It supports a wide voltage range from +7 to 24 volts DC, ensuring compatibility with various power sources. With two DC inputs, featuring both a terminal block and a concentric barrel connector, users can choose to power the USB Hub using either input or both simultaneously for

redundancy. With an external power source connected, the USB Hub supports USB battery charging specification 1.2, delivering up to 2.4A (12W) on 6 of the downstream ports, so you can power and quickly charge external devices.

For optimal performance an external power source is required. StarTech.com offers an external power adapter (Part Number: ITB20D3250, sold separately) that will enable the USB Hub to operate at maximum performance.

The USB Hub is thoughtfully designed for user convenience and adaptability. Equipped with built-in mounting brackets, installation is simplified. The hub may be mounted to a variety of surfaces such as walls or desks. The DIN rail bracket ensures secure mounting in industrial environments.

The rugged USB Hub supports SuperSpeed USB 3.2 Gen 1 (5Gbps) and maintains backward compatibility with legacy peripheral devices. Additionally, the USB Hub offers enhanced security through the USB Event Monitor utility, a feature within the StarTech.com Connectivity Tools application. This utility logs and timestamps USB port usage, empowering IT administrators to identify potentially malicious devices. For more details and to download the StarTech.com Connectivity Tools application, please visit: www.StarTech.com/Connectivity-Tools

Certifications, Reports and Compatibility

Applications

• Connect USB devices such as sensors, cameras, and controllers in manufacturing and industrial automation systems

• Control USB peripherals such as touchscreens, card readers, and barcode scanners in self-service kiosks and point-of-sale (POS) terminals

• Manage and control USB devices such as storage drives, backup devices, and dongles in network server applications

Features

• MANAGED USB HUB: USB Hub Administrator software (free download) works with the Managed USB Hub to enable/disable individual or all ports and reboot the Hub; Windows, macOS, Linux; Supports CLI commands for custom app creation

• RUGGED & RELIABLE: With metal housing and 15kV/8kV air/contact Level 4 ESD protection, this heavy duty USB 3.2 Gen 1 5Gbps hub reliably connects 7 USB devices in harsh, industrial environments; Locking USB Ports avoids accidental disconnection

• POWER & CHARGE: For unique power requirements the USB Hub supports +7V to +24V DC; Powered via barrel

or terminal block with power adapter (sold separately, Part Number: ITB20D3250); 6x USB-A ports capable of BC 1.2 (2.4A) charging (power supply required)

• VERSATILE MOUNTING OPTIONS: This mountable USB hub securely installs on/under a desk, to a wall, or DIN rail using the built-in mounting ears & included DIN brackets; 6ft (1.8 m) USB 3.2 Gen 1 5Gbps cable included

• CONNECTIVITY TOOLS: Includes Connectivity Tools application that features USB Event Monitoring to log and timestamp USB port usage enabling admins to identify potentially malicious devices; TAA Compliant; Ideal for remote operation & device security

Hardware

Warranty	2 Years
USB-C Device Port(s)	No
USB-C Host Connection	No
Fast-Charge Port(s)	Yes
Ports	7
Interface	USB 3.2 Gen 1 (5Gbps)
Bus Type	USB 3.2 Gen 1 (5Gbps)
Industry Standards	USB Battery Charging Specification Rev. 1.2
	USB 3.2 Gen 1 - Backwards compatible with USB 3.0, 2.0, and 1.1
Chipset ID	VIA - VL817-Q7 C0

Performance

Maximum Data Transfer Rate	5 Gbps (USB 3.2 Gen 1)
Type and Rate	USB 3.2 Gen 1 - 5 Gbit/s
UASP Support	Yes
ESD Protection	+/-15kV (Air)
	+/-8kV (Contact)
MTBF	131,406 Hours

Connector(s)

External Ports	6 - USB 3.2 Type-A (9 Pin, Gen 2, 10Gbps, 15W Power)

		1 - USB 3.2 Type-A (9 pin, Gen 1, 5Gbps)
	Host Connectors	1 - USB 3.2 Type-B (9 pin, Gen 1, 5Gbps)
Software		
	OS Compatibility	OS Independent; No additional drivers or software required
Special Notes / Requirements		
	System and Cable Requirements	Available USB 3.2 Gen 1 Port
		USB 3.2 Gen 1 (5 Gbps) is also know as SuperSpeed USB, USB 3.1 Gen 1, and USB 3.0
		DC Power Source +7 to 24V
	Note	The left-most USB port supports 4.5W (5V/0.9A) of power and will only support USB (5Gbps) devices. See Quick-Start Guide for details.
Indicators		
	LED Indicators	7 - USB Port Status LEDs (Green) - The Corresponding USB-A Data/ChargePort is Enabled or Disabled
		1 - Power LED (Green) - The USB Hub is receiving power
Power		
	Power Source	Not Included (DC/Terminal Block)
	Plug Type	M
		Terminal Block (2 Wire)
Environmental		
	Operating Temperature	0C to 60C (32F to 140F)
	Storage Temperature	-20C to 75C (-4F to 167F)
	Humidity	5 to 95% RH
Physical Characteristics		
	Color	Black
	Form Factor	Industrial
	Material	Metal

	Product Length	2.6 in [6.7 cm]
	Product Width	4.5 in [11.4 cm]
	Product Height	1.0 in [2.6 cm]
	Weight of Product	7.1 oz [200.0 g]

Packaging Information		
	Package Quantity	1
	Package Length	5.9 in [14.9 cm]
	Package Width	8.4 in [21.3 cm]
	Package Height	2.0 in [5.1 cm]
	Shipping (Package) Weight	1.1 lb [0.5 kg]

What's in the Box		
	Included in Package	1 - USB Hub
		1 - 6 ft [1.8 m] USB-A to USB-B Cable
		1 - Terminal Block Connector (Attached)
		2 - DIN Rail Mounting Bracket (with Mounting Screws)
		1 - Quick-Start Guide

Product appearance and specifications are subject to change without notice.