

## Product Datasheet - Technical Specifications



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## 1. INTRODUCTION

TITAN's USB over Ethernet hub, is an innovative, robust providing the capability of USB devices network sharing across any network including Ethernet, WAN, VLAN, VPN and the Internet. The USB devices connected can be accessed and shared over Ethernet by multiple remote client computers. This USB over Ethernet hub makes it possible to share any number of USB devices, and it makes them available to the remote computers connected from anywhere in the world. By adding the USB over Ethernet hub to a network computer connected to LAN, WAN, or the Internet, you can then share the USB devices plugged into the Hub. The authorized users are allowed to remotely connect and use the shared USB devices from anywhere, regardless of their distances and locations. Unlike many other USB over IP Servers, with their limitation for usage only on the same network but not functioning over different networks, the USB over Ethernet hub provides flexibility and ease to allow USB ports sharing across different networks and over the Internet easily. You and other users can connect, access and share the USB devices conveniently, no matter if you are in an office next door, or in another cities, or even in different countries.

With a simple and user-friendly interface, the USB Device Sever program is very easy to install and use. There are no complicated settings to be configured, and nor do you need to change any of your existing network configuration. Only few simple steps will take you instantly to make the USB devices ready to share over any network. Likewise, it is very easy for the client computers to find and connect to all the available remote shared USB devices. To secure the connection between shared USB devices and remote client computers, password authorization is implemented for controlled access. Only authorized clients are permitted to access specified USB devices remotely. In addition, traffic encryption provides further protection on data security and keeps all the information safe to secure connection. Data compression feature is also available to accelerate data transfer speed.

USB over Ethernet hub is a professional solution to redirect USB devices to remote computers on the network. It provides a convenient and efficient way for USB devices remote connectivity. The Anyplace software provided works with Windows 11, 10, 8.1, 8, 7, Vista, XP, ME, 2000, Windows Server 2016 and Linux.

## 2. FEATURES

- Empowers USB ports with USB device networking and sharing functionality
- USB over Ethernet Device Hub allows USB devices to be accessed and shared by multiple client computers over networks or across the internet
- Network-enables remote USB peripherals and devices as if they were connected directly to the local PC
- Supports wide variety of USB devices, i.e. printers, webcams, conference cams, cameras, fingerprint readers, scanners, barcode scanners, ID card scanners, security dongles, USB dongles, hard drives and flash drives, USB to RS-232/422/485 adapters, iPhones, iPads, Android devices and many more
- USB plug-and-play and hot-swap functions same as onboard USB ports
- User-friendly and convenient USB Device Server software program with both server and client functionality
- Shares your USB devices and connects remote shared USB devices over a network at the same time
- Password authorization and traffic encryption for data security and safety
- Any authorized users in an office next door or in another country may remotely access your USB devices through USB Device Server app client
- Supports standard USB webcam functions such as video transfer over a network (Internet/LAN/WAN)
- Supports high speed isochronous USB devices
- Able to share USB security software protection dongles conveniently using features of USB Device Server software program
- Redirects USB devices to virtual machines such as VMWare, Virtual PC, Citrix Xen Desktop, Microsoft Hyper-V, QEMU (KVM), etc. On a virtual machine, easy to establish a passthrough for USB devices from host OS to a guest OS
- Multiple transaction translator (TT) architecture to each USB downstream (DS) port
- LEDs for power and USB status indication
- Power supply with latch locking to the USB over IP hub preventing accidental disconnection
- Individual port power management
- Overcurrent protection
- CE, FCC approval

### 3. SPECIFICATIONS

#### US-H1



The tables below show the hardware specifications of the US-H1:

Function		Specification
USB Data rates		USB 2.0 480Mbps (high speed), USB 2.0 12Mbps (full speed) and USB 1.1 1.5Mbps (low speed)
Ports	Downstream	One USB A type female connector
	Upstream	One USB A type male connector
LEDs	USB Port Status	Green LED
	USB Share Status	Red LED
Power Mode		Self-power mode
Output Voltage		+5VDC
Output Current		400mA maximum
Operating Temperature		0°C to 55°C
Storage Temperature		-20°C to 75°C
Humidity		0 to 90% RH. Noncondensing
Safety Approvals		CE, FCC
Housing		Plastic case (Blue)
Weight		32g
Dimensions		42mm × 70mm × 23mm (W × L × H) Cable length: 300mm (L)

## US-H1C



Function		Specification
<b>USB Data rates</b>		USB 2.0 480Mbps (high speed), USB 2.0 12Mbps (full speed) and USB 1.1 1.5Mbps (low speed)
<b>Ports</b>	Downstream	One USB A type female connector
	Upstream	One USB type C male connector
<b>LEDs</b>	USB Port Status	Green LED
	USB Share Status	Red LED
<b>Power Mode</b>		Self-power mode
<b>Output Voltage</b>		+5VDC
<b>Output Current</b>		400mA maximum
<b>Operating Temperature</b>		0°C to 55°C
<b>Storage Temperature</b>		-20°C to 75°C
<b>Humidity</b>		0 to 90% RH. Noncondensing
<b>Safety Approvals</b>		CE, FCC
<b>Housing</b>		Plastic case (Black)
<b>Weight</b>		30g
<b>Dimensions</b>		42mm × 70mm × 23mm (W × L × H) Cable length: 300mm (L)

## US-H3



Function		Specification
<b>USB Data rates</b>		USB 3.1 Gen. 1 5Gbps (super speed), USB 2.0 480Mbps (high speed), USB 2.0 12Mbps (full speed) and USB 1.1 1.5Mbps (low speed)
<b>Ports</b>	Downstream	Three
	Upstream	One
<b>LEDs</b>	Power	One
	Port Status	Three
<b>Output Voltage (per port)</b>		+5VDC
<b>Output Current (per port)</b>		900mA maximum
<b>Operating Temperature</b>		0°C to 45°C
<b>Storage Temperature</b>		-20°C to 70°C
<b>Humidity</b>		0 to 90% RH. Noncondensing
<b>Safety Approvals</b>		CE, FCC
<b>Housing</b>		Plastic case
<b>Weight</b>		100g
<b>Dimensions</b>		103 mm × 95mm × 30mm (W × L × H)
<b>Input Power Range</b>		5Vdc

## US-H6



Function		Specification
<b>USB Data rates</b>		USB 3.1 Gen. 1 5Gbps (super speed), USB 2.0 480Mbps (high speed), USB 2.0 12Mbps (full speed) and USB 1.1 1.5Mbps (low speed)
<b>Ports</b>	Downstream	Six Type-A connectors
	Upstream	One Type-B connector
<b>LEDs</b>	Power	One
	Port Status	Six
<b>Output Voltage (per port)</b>		+5VDC
<b>Output Current (per port)</b>		900mA maximum
<b>Operating Temperature</b>		0°C to 45°C
<b>Storage Temperature</b>		-20°C to 70°C
<b>Humidity</b>		0 to 90% RH. noncondensing
<b>Safety Approvals</b>		CE, FCC
<b>Housing</b>		Metal case
<b>Weight</b>		290g
<b>Dimensions</b>		123mm × 68mm × 30mm (W × L × H)
<b>Input Power Range</b>		9Vdc ~ 30Vdc

## US-H6C



Function		Specification
<b>USB Data rates</b>		USB 3.1 Gen. 1 5Gbps (super speed), USB 2.0 480Mbps (high speed), USB 2.0 12Mbps (full speed) and USB 1.1 1.5Mbps (low speed)
<b>Ports</b>	<i>Downstream</i>	Four Type-A and two Type-C connectors
	<i>Upstream</i>	One Type-B connector
<b>LEDs</b>	<i>Power</i>	One
	<i>Port Status</i>	Six
<b>Output Voltage (per port)</b>		+5VDC
<b>Output Current (per port)</b>		900mA maximum
<b>Operating Temperature</b>		0°C to 45°C
<b>Storage Temperature</b>		-20°C to 70°C
<b>Humidity</b>		0 to 90% RH. noncondensing
<b>Safety Approvals</b>		CE, FCC
<b>Housing</b>		Metal case
<b>Weight</b>		300g
<b>Dimensions</b>		123mm × 68mm × 30mm (W × L × H)
<b>Input Power Range</b>		9Vdc ~ 30Vdc



## US-H9



Function		Specification
<b>USB Data rates</b>		USB 3.1 Gen. 1 5Gbps (super speed), USB 2.0 480Mbps (high speed), USB 2.0 12Mbps (full speed) and USB 1.1 1.5Mbps (low speed)
<b>Ports</b>	<i>Downstream</i>	Nine Type-A Female USB
	<i>Upstream</i>	One Type-B connector
<b>LEDs</b>	<i>Power</i>	One
	<i>Port Status</i>	Nine
<b>Output Voltage (per port)</b>		+5VDC
<b>Output Current (per port)</b>		900mA maximum
<b>Operating Temperature</b>		0°C to 45°C
<b>Storage Temperature</b>		-20°C to 70°C
<b>Humidity</b>		0 to 90% RH. noncondensing
<b>Safety Approvals</b>		CE, FCC
<b>Housing</b>		Metal case
<b>Weight</b>		150g
<b>Dimensions</b>		132mm × 100mm × 32mm (L × W × H)
<b>Input Power Range</b>		7Vdc ~ 36Vdc

## US-H12



The tables below show the hardware specifications of the US-H12:

Function		Specification
<b>USB Data rates</b>		USB 3.1 Gen. 1 5Gbps (super speed), USB 2.0 480Mbps (high speed), USB 2.0 12Mbps (full speed) and USB 1.1 1.5Mbps (low speed)
<b>Ports</b>	<i>Downstream</i>	Twelve
	<i>Upstream</i>	One
<b>LEDs</b>	<i>Power</i>	One
	<i>Port Status</i>	Twelve
<b>Output Voltage (per port)</b>		+5VDC
<b>Output Current (per port)</b>		900mA maximum
<b>Operating Temperature</b>		0°C to 45°C
<b>Storage Temperature</b>		-20°C to 70°C
<b>Humidity</b>		0 to 90% RH. noncondensing
<b>Safety Approvals</b>		CE, FCC
<b>Housing</b>		Metal case
<b>Weight</b>		400g
<b>Dimensions</b>		155mm × 65mm × 53mm (W × L × H)
<b>Input Power Range</b>		9Vdc ~ 30Vdc

## **System Requirements**

Any Windows PC with an available USB port and USB compliant operating system such as Windows 11, 10, 8.1, 8, 7, Vista, XP, ME, 2000, Windows Server 2016.

Note: The USB devices sharing function is available on computers with Windows OS and Linux.