Product Datasheet - Technical Specifications

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INTRODUCTION

The USB Device Server is a network-enabled USB Device server for connecting four USB devices over the 10/100 Mbps Ethernet network running TCP/IP. By adding this USB to Ethernet server device to LAN, you can network-enable USB devices. It breaks the traditional five-meter USB cabling distance limitation. With this implementation, USB devices connected to USB Device Server can be made available to remote clients over LAN without a locally attached host PC.

TITAN's USB Device Server provides 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 Device Server makes it possible to share the USB devices, and it makes them available to remote computers connected from anywhere in the world. By adding the USB Device Server connected to LAN, WAN, or the Internet, you can then share the USB devices plugged into the device. The authorized users are allowed to remotely connect and use 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 Device Server 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 simple and user-friendly interface, the USB Server 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 configurations. Only a 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 features are also available to accelerate data transfer speed.

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

FEATURES

- Extends USB cable distance beyond five meters
- Supports wide variety of USB devices
- Compatible with bulk, interrupt and isochronous type USB devices
- Provide plug and play function akin to an on-board USB port
- Empowers USB ports with USB device networking and sharing functionality
- Allows USB devices to be accessed and shared by multiple client computers over network or across the internet
- Network-enables remote USB peripherals and devices as if they were connected directly to the local PC
- Supports a wide variety of USB devices, i.e. printers, 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 Server software program with client functionality
- Shares your USB devices over a network automatically
- 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 Server app client
- Able to share USB security software protection dongles conveniently using features of USB Server software program
- Multiple transaction translator (TT) architecture to each USB downstream (DS) port
- LEDs for power, Ethernet indication

SPECIFICATIONS

US-S2

Function		Specification
Ports	USB Downstream	two (USB2.0)
	Ethernet	One (10/100Mbps)
LEDs	Power	One (Power on)
	Ethernet Port Status	Two (Link and Speed)
	USB Port Status	Four (USB2.0 Port Status)
Power Mode		Self-power mode
Output Voltage (per port)		+5VDC
Output Current (per port)		500mA maximum
Operating Temperature		0°C to 45°C
Storage Temperature		-20°C to 70°C
Humidity		0 to 90% RH. Noncondensing
Safety Approvals		CE, FCC
Housing		Plastic case
Weight		110g
Dimensions		106mm × 97mm × 32mm (L × W × H)
Input Power Range		9Vdc ~ 48Vdc
Power Consumption		1000mA@12VDC(Fully Load) 200mA@12VDC(no Load)
Utility		TITAN USB Device Sever software

US-S4

Function		Specification
Ports	USB Downstream	Four (USB2.0)
	Ethernet	One (10/100Mbps)
LEDs	Power	One (Power on)
	Ethernet Port Status	Two (Link and Speed)
	USB Port Status	Four (USB2.0 Port Status)
Power Mode		Self-power mode
Output Voltage (per port)		+5VDC
Output Current (per port)		500mA maximum
Operating Temperature		0°C to 45°C
Storage Temperature		-20°C to 70°C
Humidity		0 to 90% RH. Noncondensing
Safety Approvals		CE, FCC
Housing		Plastic case
Weight		110g
Dimensions		106mm × 97mm × 32mm (L × W × H)
Input Power Range		9Vdc ~ 48Vdc
Power Consumption		1000mA@12VDC(Fully Load) 200mA@12VDC(no Load)
Utility		TITAN USB Device Sever software

US-S4+

Function		Specification
Ports	USB Downstream	Eight (4 USB 2.0 type-A and 4 type-C)
	Ethernet	One (10/100Mbps)
LEDs	Power	One (Power on)
	Ethernet Port Status	Two (Link and Speed)
Power Mode		Self-power mode
Output Voltage (per port)		+5VDC
Output Current (per port)		500mA maximum
Operating Temperature		0°C to 45°C
Storage Temperature		-20°C to 70°C
Humidity		0 to 90% RH. Noncondensing
Safety Approvals		CE, FCC
Housing		Plastic case
Weight		150g
Dimensions		132mm × 100mm × 32mm (L × W × H)
Input Power Range		12Vdc
Power Consumption		1000mA@12VDC(Fully Load) 200mA@12VDC(no Load)
Utility		TITAN USB Sever software

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