Network USB over IP Server With 1-USB2.0 Port

User Manual



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This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to subpart J of Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which the user will be required to correct the interference at there own expense.

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Chapter 1 Installation

- 1.1 Product Overview
- 1.2 Network Management
- 1.3 Components and Features
- 1.4 Hardware Installation



1. Introduction

1.1 Product Overview

The Network USB over IP Server enhances capability by letting you place your USB devices at convenient locations directly on the Ethernet network. It's designed to connect your USB printers, MFP, and USB storage devices to your network, allowing all network users access to these USB devices remotely.

1.2 Network Management

The Network USB over IP server supports the WEB management, which remote management and a warning. A standard WEB server is permanent on its Network USB over IP Servers. Any standard WEB browser can be used to access and manage the Network USB over IP server.

1.3 Components and Features

1-USB2.0 Port Network USB over IP server

- 1 USB2.0 port (High-speed)
- · Fast Ethernet network port: RJ-45 for 10Base-T or 100Base-TX
- 1 LED to indicate USB status, 1 LED to indicate system status
- . One Setup CD for Windows XP, Vista and 7, and User's Guide
- One external AC power adapter
- · Built-in Reset Button

Before you start, you should prepare:

- One Windows XP, Vista or 7 computer with CD-ROM drive
- The USB device(s) with USB port

1.4 Hardware Installation

Make sure that your USB devices are switched off and that the Network USB over IP Server's power adapter is disconnected.

1. Connect the Network USB over IP Server to the router or switch/HUB with the Ethernet cable.



Connect the power adapter to the Network USB over IP Server. When the Link LED lights up, the Network USB over IP Server is correctly connected to the network.



3. Connect your USB device to the USB port of the Network USB over IP Server.



Chapter 2

The Software Installation

- 2.1 For Windows XP Users
- 2.2 Connecting to an USB Device
- 2.3 Connecting to an USB Printer or Multi-functional Printer
- 2.4 Disconnecting an USB Device
- 2.5 Connecting to an USB HUB
- 2.6 Request to Disconnect
- 2.7 Setting the Network USB over IP Server by Setup Utility
- 2.8 For Windows Vista or 7 Users
- 2.9 Connecting to an USB Device
- 2.10 Setting up Auto Connection/Auto Disconnection

2. The Software Installation

2.1 For Windows XP Users

 Insert the setup CD into your computer. A welcome screen should appear with a menu of options, including the option to install the proper Network USB over IP Server software, access the User Manual, or Exit out of the welcome menu.

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Netwo	TK USB	Server	Setup
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	A A		V.

The installation wizard will start the installation process. During the installation, a Windows security message will appear. Select "Continue Anyway" to continue.



 When the installation completed, select "Yes, I want to restart my computer now" and click "Finish" to close the installation wizard.

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	corplete antig

 When prompted, restart your computer. After rebooting, you will see a new icon on your desktop. Double-click the icon and it will bring up the Network USB over IP Server setup utility.



 The setup utility will show up and display all the active Network USB over IP Server on your network. In this screen, you will see the product listed as "USB over IP Server-2D09DB (192.168.1.153)". The "2D09DB" is the last 6 digits of the Network USB over IP Server's MAC address, and the "192.168.1.153" is the Network USB over IP Server's IP address.

Help (E)		
Status	Information	
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2.2 Connecting to an USB Device

 Connect the USB cable on your USB device to the USB port of the Network USB over IP Server, and make sure both the USB device and the Network USB over IP Server are powered on. The USB device will then show up on the Network USB over IP Server utility as a blue icon (
). The blue icon indicates that the USB device is ready to be connected.

If for any reason the USB device does not show up, please click the "Search" button to refresh the list.

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E	(1923661.133)		
Strap	🕕 ner	Fabric Henory	

Note:

If your USB device does not show up on the list, please try to disconnect and reconnect the USB device to the USB port of the Network USB over IP Server. Also, please make sure the Network USB over IP Server and your USB device are powered on.

Select the USB device that you will want to connect and click on the "Connect Device" button at the bottom.

BIB over IP Server			000
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Device	Ratus	Démator	
😑 🔝 1P-USIISer	+-200908 (192.168.1.153)		
	. 0 -		
	Search Search	Correct Device	
	04		

 Once the USB device has been connected, the blue icon ((i)) will turn green ((i) to indicate that the connection has been established. The USB device now becomes available on your computer, and you can use this USB device as if it was directly connected to your computer.

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Device	Satur	Information	
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4-	a 😔 karans		
1			
	Search	Decorvect Device	

2.3 Connecting to an USB Printer or Multi-functional Printer

 Connect the USB cable on your printer or multi-functional printer to the Network USB over IP Server and make sure your printer is powered on. You will then see the connected printer show up in the USB over IP Server setup utility. Select the printer from the list and click on the "Connect Device" button.

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Device	Retai	břenstán
🗄 🍓 (Nil over 19 5		
an have	1 m	Lennah Silen aliang, Su. (1943) (grist 1912)
	Search	Open Web Page

Note:

If your printer does not show up on the list, please try to disconnect and reconnect the printer to the USB port of the Network USB over IP Server. Also, please make sure the Network USB over IP Server and your printer are powered on.

2. The printer will be detected as if it was plugged directly into your computer.



3. If this printer is connected to your computer for the first time, then you will need to complete the setup wizard for the printer software and driver installation. Please follow the wizard to setup the printer. Make sure you have the correct CD or drivers for your printer and follow the on-screen steps in the wizard. Once the wizard is completed, you will be able to use the printer as if it was directly connected to your computer.



Notes:

- Some of the multi-functional printers feature the self-programming capabilities so that it might be failed during the driver installation (step 3 above). You are recommended to connect the printer to computer and complete the driver installation in advance, and then connect it to the Network USB over IP Server.
- 2. Please refer to your printer user manual on how to setup your printer on the computer.

2.4 Disconnecting an USB Device

To disconnect an USB device, simply click on the connected USB device on the list of the Network USB over IP Server setup utility, and press the "Disconnect Device" button. The device will then no longer stay connected to your computer, however, you may reconnect the USB

device again once the icon becomes blue (

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File (2) Optima (2) Yerv	C) ling (D)	
Device	Status	bfornation
🗄 🔝 Uhit over 2	Server-02A220 (192.160.1.235)	
*	- 🕹	mented (1999) Statement, St. (1903) (1917)
	Search	Deconvect Device

2.5 Connecting to an USB HUB

- If you have more than one USB device that you would like to share over your network, you
 may add an USB HUB (4-port maximum) to the Network USB over IP Server.
- Connect the USB cable of the USB HUB to the USB port on the Network USB over IP Server, and then connect the USB device(s) to the USB ports on the USB HUB. Make sure the power adapter of the USB HUB is plugged in and powered on.



Note:

Network USB over IP server only can support up to 4 USB devices through an USB HUB and certain USB devices require a direct connection to your computer in order to function at full capacity. Please make sure the USB HUB which should be provided extra-power. After the USB device(s) are connected to the USB HUB, the Network USB over IP Server setup utility will automatically display the connected USB device(s). If you do not see the USB device(s) that are connected, press "Search" button to refresh the list.

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File (2) Options (2) View (D Help (D)	_		
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	(A)	368/01	Cpen Web Page	

2.6 Request to Disconnect

 If the USB device is being used by another computer on your network, a user icon (
 will be displayed in front of the USB device name. You will not have the option to disconnect the USB device; however, you may send a courteous message to request that the other user disconnect/release the USB device.



To send the courteous message, right-click on the USB device and select "Request Disconnect Device". A message will then be sent to the user requesting that they disconnect from the USB device.



Note:

If the occupying user denies this request, then you will not be able to send any further requests to the same user for 3 minutes. This is to prevent any user from flooding the occupying user will multiple requests within a short period of time.

2.7 Setting the Network USB over IP Server by Setup Utility

 To configure the Network USB over IP Server by setup utility, right-click on the USB over IP Server and select "Server Configurations".

· USB over 17 Server					
File @ Options @ Varw !	9 Heb (B)				
Device		Status	2 Hormal	en.	
E States 17	5e: 1 = 02A2	CTT (192.108.1.23)) 		
		0 n	Open Web Page	Memory	
		Search		Cruery Week Faser	
	108	100			

 A Server Setting window will be displayed. You may set the DHCP (default), IP address and password. Moreover, you can upgrade the firmware and reboot the Network USB over IP Server.

mm Configuration	9
letwork Setting	0
Server Name	USB over IP Server-02A220
Use DHCF	
IP A	ddress : [192 . 168 . 1 . 235
Cannect autom	atically by port
Cannect autom Port 1 Set	etically by port
Cennect autom	atically by port Cancel Backup Fernware
Connect autom Port 1 Set	atically by port Cancel Backup Fernivus Update Firmware
Connect autom	atically by port Cancel Dackap Ferences Update Ferences Change Persecut

2.6 For Windows Vista or 7 Users

 Insert the setup CD into your computer. A welcome screen should appear with a menu of options, including the option to install the proper Network USB over IP Server software, access the User Manual, or Exit out of the welcome menu.



The installation wizard will start the installation process. During the installation, a Windows Security message will appear. Select "Install" to continue.



3. Click on "Finish" to complete the installation process.



 Once the installation process has been completed, a new icon will be shown on Desktop. Double-click on it for the first time execution.



2.8 Connecting to an USB Device

 After you have successfully installed the Network USB over IP Server driver, connect the USB device to the USB port of Network USB over IP Server and make sure both the USB device and the Network USB over IP Server are powered on.

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File (D) Options (D) Vie	₩ (1) Bab (10)			
Device		Status	Information	
8 de ustane				
a 90	ringe	👔 free	Fatriot Memory	
				-
	0	Search	Con Mith Day	
	(D)Y	Alaron	Copert Hear Page	

When the USB device is connected, the Network USB over IP Server will detect the connection of the USB device, and an icon of the USB device will show up in the Network window. In this example, we have connected a USB flash disk.



Right-click on the USB device that you want to connect to and select "Connect Device" to establish the connection. You will see the device driver is installing and the status will show at the bottom right corner on your system tray. This message will disappear once the driver has been installed.

Your device is ready to use Device driver software installed oucces	ч × afaly,	
	Y	 4:36 AM 1/1/2002

After the installation is completed, the USB device will become available as if it were directly connected to your computer.

2.9 Setting up Auto Connection/Auto Disconnection

- 1. Right-click on the device that you want to set up auto connection feature.
- 2. From the pop-up shortcut menu, you can:

O USU over 17 Server	Survey and			
Dentes	ver (192.168.1.235)	Status	bilumation	
1		2	Parament Devis <u>Prior Joseph</u> <u>Connet To Para Administrative</u> <u>Connet To Document on Tool Toomp</u>	
		Search	Decorrect Device	

 Select the Connect Device Automatically option so that the device will be connected automatically when the system starts. 3. Click "Option" and then you can:



 Select the "Disconnect Storage Device When Idle" option so that the storage device will be disconnected automatically when the system is idle.



 Select the "Disconnect Printer When Idle" option so that the printer will be disconnected automatically when the system is idle.

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Ø	Tev (D) Rely (D)	100	
R.R	Langrage (L) Res this application when PC shorts up. (<u>A</u>)	CEHA	information
	Server Configurations @ Open Web Fage (2)	CENO	
	Connect Device (D) Demonstrative (D) Recent Device (D)	CNHC CNHC	Patrick Memory
	Device Properties (f) Disconnect Dronge Device when Idle (f)	9620 1620	
	A 34	un	Corriect Device

Note:

If you select "Connect Device Automatically" and "Disconnect Storage Device while Idle" at the same time. There will be a warning message as below. This is to prevent device to be a loop while "connect" and then "disconnect" automatically. So, you just can choose one of two options.

Warning!

Enabling this option will disable your device auto connect function for printers/MFPs and Auto Connect by Port function. Would you like to proceed?

Chapter 3

WEB Management Interface

- 3.1 For Windows XP, Vista and 7 Users
- 3.2 WEB Page Description



3. WEB Management Interface

3.1 For Windows XP, Vista and 7 Users

To Access WEB management interface in Windows XP, Vista or 7, in the USB over IP Server setup utility, select and double-click the "USB over IP server-2DD9DB" item, the operating system will open the browser automatically and load the management webpage.

· USB over 17 Server				
File (2) Opticial (2) View (1) 1kg @0		1.000	
Device		Ratus	Information	
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In a start of the		fine .	Patriot Memory	
			Select and double-click	
	0	Track	Const Male Taxa	
	C.F.			

3.2 WEB Page Description

The left panel of the WEB management interface provides a list of different options to choose from.

Status:

-Server Information: Displays the general server information of the USB server. USB over IP Server

Server Information			
Server Name : Firmware Version : MAC Address : Server Ub Time : Ethernet Link : USB root port op mode :	3.100.080.00104 00:55:64:77:88:91 0 day(s), 0 hour(s 100M/Pull Duplex High Speed)), 1 minute(s), 58 se	cond(s).

-Device Information: Displays the information of the USB device which is currently connected to the USB server.

Status	1	Setup	10	Nisc		Restart
ierver Inform	ation	Device	Informa	tion		TEP/IP
This page disp	lays the i	nformation of th	e USB des	rice which	h is currer	vily connected to the
Davice 1 Inform	ation					
Device Hame :						
Link Status (
Device Status (
Current User i						
User's ID :		0.0.0.0				
US8.00 mode i		High Speed				
Device 2 Inform	ation					
Device Mame I						
Link Status I						
Device Status I						
Current User I						
User's IP :		0.0.0.0				
USB op mode :		High Speed				
Device 3 Inform	ation					
Device Name 1						
Link Status i						
Device Status i						
Current User :						
User's IP :		0.0.0.0				
USB op mode i		High Speed				
Device 4 Inform	ation					
Device Name 1						
Link Status (
Device Status :						
Current User 1						
User's IP :		0.0.0.0				

-Device Information: Displays the current TCP/IP settings of the USB server.

Server Information			
	Device Info	nrmation	TCP/1P
This pag	pe displays the current TC	P/IP settings of the UI	lb server.
FCP/3P Settings			
Use DHCP/BOOTP:	Disable		
P Address	192.168.1.153		
Subnet Mask:	255,255,255.0		

Setup:

-Server Settings: The page allows you to configure general system settings of the USB server.

Server Settings: TCP/IP This setup page allows you to configure general system settings of the USB server. Server Settings Server Name : [IP-USBSer-300X08 General Value Content Value				
This serve page allows you to configure general system settings of the USB server. Berver Sottings Server Name : [IP-ISBSev-300608 Convert Passand : Past previde If Available teer Passand : [IP-ISBSev-300608	Server Sett	ings		тср/пр
Server Settings Server Name : [1P-US85er-200408 Memointvitor's Password Gurrent Password : Plust previde 31 Available tere Password :	This setup page al	lows you to configure g	eneral system setting	s of the USB server.
Server Name : [IP-US85er-200408 Monisotrator's Password Current Password : Password teer Password : [IP-US85er-2004] Current Password : [IP-US85er-2004] C	Server Settings			
Administrator's Password Current Password Current Password Modify password Hew Password Current Password	Server Name :	IP-USBSev-20090	0	
Current Password : Plust previde 31 Available Unew Password : Confirm New Password :	Administrator's Fassword			
El Modify password New Password : Confirm New Password :	Current Password :	E	Hust provide If Avail	lebile
Confirm New Password :	Name Processed 1	Modify passwork	1	
	Confirm New Password :	-		
		Save h	Restart	
Save & Restart				

-Server Settings: The page allows you to configure TCP/IP settings of the USB server.

Server Settings	TCF/IP
This setup pag	e allows you to configure TCP/IP settings of the USB server.
P/IP Settings	
DHCP Setting :	Enable 😪
P Address :	192 168 1 155
Subnet Mask :	255 255 255 0
irm Password	
Password :	Nust provide If Available

Misc:

-Factory Default: Click Factory Default then OK to reload all default settings in the USB server. Warning! All current settings will be erased.

Status	Setup	Misc	Restart
Factory I	Pefault	Firmware Upg	rade (kernel, 16KB)
Click Factory Warning! All ou Click Firmman server with new Confirm Password	Default then OK to reloa rent settings will be eres a Upgrade to browse to firmware.	d all default settings in the ed. your firmware directory a	e USB server. nd reload the USB
Password :		Plust provide If Ave	LAG M
		ov 1	
	1	ok _	
		<u>ok</u>	
	_	<u>ok</u>	

-Firmware Upgrade: The page allows you to upgrade the firmware of the USB server.

Status	Setup	Misc	Restart
Factory I	oefault	Firmware Upp	rade (kernel, 1688
This page allo	we you to unorade the f	masara (karnal, 1488) of	the USB server.
Note: please make a	ure the firmware is corr	ct before you proceed. If	you do not know which
terminare foe yo	u should use, prease co	vtact your local dealer for	technical support.
Fernivere Upgrade Select Fernivere Di	rectary and file	29-	
Confirm Password			
Password :		Hust provide If Ava	lable
		management (
	Correspondence of the second sec	re Uporade	
	Contraction of the second		

-Restart: The page allows you to restart the USB server.

This page allows you to restart the USB server. Bastart the USB server Do you want to save settings and restart the USB server now ? antern Passeed? Passeed : CX CX The provide of Available CX CX The content of the conten	Status	Setup	Misc	Restart
nfm Passeed Pesseerd : Peyrords 3 Available		This page allows you t Restart the	o restart the USB server. • USB server	
Pessword : Nort provide If Available	onfirm Password			
OK.	Password :		Must provide If Ava	lable
			OK	
		-	<u>ok</u>	
		-	<u>.</u>	

Chapter 4

Troubleshooting

4.1 Frequently Asked Questions



4. Troubleshooting

4.1 Frequently Asked Questions

- 1. Why can't I connect my USB device to my computer through Network USB over IP Server?
- Make sure the USB device functions normally when you plug it into your computer via USB cable.
- If the USB device, such as USB printer or multi-functional printer, requires a driver, please
 make sure you have installed it on the computer you wish to use. Rebooting your computer
 after installing USB device driver might also help.
- Although the Network USB over IP Server could work with a very wide spectrum of USB devices, it still has limited support on some USB devices. Please refer to the supported device list for details.
- Why can't I see any servers on my Network USB over IP Server listing window after installing it?
- Please make sure that all of your Network USB over IP Servers is correctly connected to
 your network. Also, certain anti-virus programs come with firewall functions that might
 prevent the Network USB over IP Server setup utility from accessing the network. Please
 make sure the Network USB over IP Server setup utility is not being blocked by your
 anti-virus program.
- The connected USB devices are disconnected after my computer wakes up from the computer stand-by?
- Connected devices will automatically be released for other network users in case you forget to release them. Please reconnect the USB devices again after your computer "wake up".