DIGITUS®

Network USB over IP Server with 4- Ports USB 2.0



User Manual DA-70254

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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

4-USB2.0 Port Network USB over IP server

- 4 USB2.0 port (High-speed)
- · Fast Ethernet network port: RJ-45 for 10Base-T or 100Base-TX or 1000Base-T
- · 4 LED to indicate USB status, 1 LED to indicate system status
- · One Setup CD for Windows, and User's Guide
- · One external DC power adapter
- · Built-in Reset Button

Before you start, you should prepare:

- One Windows 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.

2. The Software Installation

2.1 Installation

 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.

Network	USB Server Setup
Westows XP (Vista)7	Total of holivoir programs including the USE foreign
Documentation	Ingeon. So no Set p Regran of one time sets of the time sets of the time sets of the set

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.

USB over IP Server - InstallS	hield Wizard
2	InstallShield Wizard Complete
	The Instal Sheld Wibard has successfully installed USB over IP Server. Before you can use the program, you must restart your computer.
	Service I want a restart my concerter novel
	No, I will restart my computer later.
	Remove any disks from their drives, and then click Finish to complete setup
	KBack Finish Cancel

 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-02A220 (192.168.1.155)". The "02A220" is the last 6 digits of the Network USB over IP Server's MAC address, and the "192.168.1.155" is the Network USB over IP Server's IP address.

Status	Information	
	9aba 9www.(192.164.135)	2014 Monadon over 602020 (152.166.1.155)

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 ((1)). 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.

💎 USB over IP Server			
File (P) Options (Q) Virv (P) H	ielp (H)		
Device	Status	Information	
😑 🎒 USB over IP Serv			
 Storage 	🚺 Free	Patriot Memory	
1	Search	Open Web Page	
	x		

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.

C - parts (C) - Feet	w	1	
Device	Status	Information	_
E USB over IF	Server-02A220 (192.168.1.155)		
- Street	r 🕕 free		
	Caret	Connard Danies	
	Call Indian		

 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.

🗢 USB over IP Server			
File (E) Options (Q) View (E)	Help (H)		
Device	Status	Information	
😑 🖉 USB over 1P Se	rver-02A220 (192.168.1.155)		
- Secare	📀 Locally Cons		
	Search	Disconnect Device	

2.3 Connecting to an USB Printer or Multi-functional Printer

1 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.



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

CEB And U Server (U Server)
 Server (U Server (U

USB device again once the icon becomes blue (

2.5 Request to Disconnect

If the USB device is being used by another computer on your network, a user icon (2) 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.

 USB over IP Server File (F) Options (O) View (V) Help (H) 		
Device	Status (192.168.10.157)	Information
₽ ins	2 Remote Cong	Anton House Concert Device Device Properties Concert file device when application starts Concert an application starts Concert and Bonstation throut Devicep
Sea Sea	rdi	Connect 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.

2.6 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 IP Server			
File (D) Options (O) View (V) I	ielp (B)		
Device	Status	Information	
😑 🚨 USB over IP Serv	er-02A220 (192.168.1.235)		
Itorage	🚺 R Ope	n Web Page	
			_
	Search	Open Web Page	

 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.

🔷 Server Configurations 🛛 🔀
Network Setting : Server Name : USB over IP Server-02A220
Subnet: 255.255.0
Connect devices when application starts :
Set Cancel
Backup Firmware
Update Firmware
Change Password
Restart Server

3. WEB Management Interface

3.1 For Windows Users

To Access WEB management interface in Windows, in the USB over IP Server setup utility, select and double-click the "USB over IP server-02A220" item, the operating system will open the browser automatically and load the management webpage.

🗇 USB over IP Server			
File (E) Options (Q) Wiew (Y) Hel	P (H)		
Device	Status	Information	
😑 🎒 USB over IP Server			
Storage	🚺 Free	Patriot Memory	
		Select and double-click	
§	Search	Open Web Page	

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.

510105	Setup	Misc	Restart
Server Information	Device Ir	formation	TCP/IP
Server Information Server Name : Firmware Version : MAC Address :	USB over IP Serv 2.029.000.E0005 00.40.03.2e.8d.3	er-02A220	
Server Up Time : Ethernet Link : USB root port op mode :	0 day(s), 0 hour(s 100M/Full Duplex High Speed), 0 minute(s), 6 seconi	i(s).

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

Status	Setup	Misc	Restart
Server Information	Device In	formation	TCP/IP
This page displays the	information of the I USB	JSB device which is curr server.	ently connected to the
Device 1 Information			
Device Name :			
Link Status :			
Device Status :			
Current User :			
User's IP :	0.0.0.0		
USB op mode :	Full Speed		
Device 2 Information			
Device Name I			
Link Status :			
Device Status :			
Current User 1			
User's IP :	0.0.0.0		
USB op mode :	Full Speed		
Device 3 Information			
Device Name I			
Link Status :			
Device Status :			
Current User :			
User's IP :	0.0.0.0		
USB op mode :	Full Speed		
Device 4 Information			
Device Name I			
Link Status :			
Device Status :			
Current User :			
User's ID :	0.0.0.0		
V 2 81 2 47			

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

TCP/IP	ver Information Device In
USB server.	This page displays the current T
	/ID Settings
	DPICP/BUOTP: Disable
	dimen. 102 148 1 182
	/IP Settings DHCP/BOOTP: Disable

Setup:

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

Status Setup		Misc Restar	
Server S	ettings	1	TCP/IP
_			6.1
This setup page	allows you to configure o	eneral system settings o	I the USB server.
Server Settings			
Server Name :	USB over IP Serv	or-02A220	
Administrator's Passw	ord		
Current Password :		Must provide If Availab	le
	Modify passwor	d	
New Password :		1	
Confirm New Passwor	d :		
	Cause &	numeral.	
	2446.0	Restart	

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

Server Set	tings		
			тср/ір
This setup pa	no slowe you to configu	ve TCD/ID cottings of th	1108 contar
CP/IP Settings	ge allows you to conlige	re rorrir seconds of di	e oab serrer.
DHCP Setting :	Disabled V		
IP Address :	192 168 1	153	
Subnet Mask :	255 .255 .25	5 0	
onfirm Password			
Password :		Must provide If Ava	ilable

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	efault	Firmware Upgrade (kernel, 32KB		
Click Factory Warning! All cu Click Firmwar server with new	Default then OK to reloa rent settings will be eras e Upgrade to browse to firmware.	id all default settings in th ied. your firmware directory a	e USB server. Ind reload the USB	
Confirm Password				
Confirm Password Password :	[Must provide If Ava	ilable	
Confirm Password		Must provide If Ava	iable	
Confirm Password :		Must provide If Ava	lable	
Confirm Password :		Must provide If Ava	lable	

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

Status	Setup	Misc	Restart
Factory I	Default	Firmware Upgra	de (kernel, 32KB
This page allo	ws you to upgrade the fir	mware (kernel, 32KB) of the	o USB server.
Note: please make s firmware file ye	ure the firmware is corre ou should use, please con	ct before you proceed. If yo tact your local dealer for tec	u do not know which shnical support.
Firmware Upgrade			
Select Firmware Di	rectory and File:	波覽…	
Confirm Password			
Password :		Must provide If Availab	le
	Firmwat	e Lingrade	

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

Status	Setup	Misc	Restart
	This page allows you to Restart the	restart the USB server.	
Do you	a want to save settings a	nd restart the USB serve	r now ?
Password :		Must provide If Avai	lable
		ж	

4. LPR Setting

4.1 Description

DA-70254 support standard LPR print, if the DA-70254 is connected to the printer, you can use the LPR function to print, don't need use USB over IP utility.

If you want to use LPR print, first, you must install the USB over IP utility in a Windows and then run the USB over IP utility, mouse move to printer and then press right key, select "Device Properties".

The "Queue Name" is LPR queue name, remember this name.

V Device Properties					
Manufacturer: Hewlett-Packard Model: HP LaserJet 400 M401n					
Device Type : Multiple Function Printer					
Queue Name : f0032a1502					
Status : Free LPR Queue Name					
Occupied By PC : N/A					
Occupied By IP : N/A					
Launch an application when this device is connected					
Application: Browse					
ОК					

4.2 LPR setting for Windows

In printer driver, press mouse right, select "Printer Properties", click "Ports", press "Add Port"

Securit	у 📕	Device	Settings	About
General	Sharing	Ports	Advance	d Color Manageme
и Print to the fr	P LaserJet 2200	Series PCL 5	s will print to	the first free
hecked port	Description		Printer	
▼ LPT1:	Printer Port		HP LaserJet	2200 Series PCL 5
LPT2:	Printer Port			
LPT3:	Printer Port			
COM1:	Serial Port			
COM2:	Serial Port			
COM3:	Serial Port			
COM4:	Serial Port			
Add P	orţ	Delete	Port	Configure Port
Enable bio	lirectional supp	oort		
E <u>n</u> able pri	nter pooling			

Select "Standard TCP/IP Port", press "New Port"

Available port types:
Local Port
ThinPrint Print Port Monitor for VMWare
New Port Type Cancel

Press "Next"

In "Printer Name or IP Address" input USB Server IP address, press "Next"

Add Standard TCP/IP Printer Port Wizar	d
Add port For which device do you want to ac	id a port?
Enter the Printer Name or IP ad	dress, and a port name for the desired device.
Printer Name or IP Address:	192.168.0.254
Port Name:	192.168.0.254
	< <u>Back</u> Cancel

Select "Custom" and then press "Settings..."

Add Standard TCP/IP Printer Port Wizard
Additional port information required The device could not be identified.
The device is not found on the network. Be sure that:
1. The device is turned on 2. The network is consented. 3. The device is properly configurate. 4. The address of the previous page is correct. 4. The address on the previous page. Then correct the address an independent and/or same of the intervious. By our as use the address is correct, the defaust and preprint and/or same of the intervious.
Oevice type reason. Oevice type and Generic Network Card
< Back Met Cancel

Select "LPR", In "Queue Name" input queue name (please refer to 4.1 Description), enable "LPR Byte Counting Enabled", press "OK"

Port Name:		192.168.0.25	4	
Printer Name or IP Addre	55:	192.168.0.25	4	
Protocol				
() <u>R</u> aw			● LPR	
Raw Settings				
Port <u>N</u> umber:	9100			
LPR Settings		_		
Queue Name:	f0032a	1502		
LPR Byte Counting I	Enabled			
SNMP Status Enable	ed			
<u>C</u> ommunity Name:	public			
SNMP <u>D</u> evice Index:	1			

Press "Next"

4.3 LPR setting for MAC OS

In "Print & Fax", press "+"

In "Protocol" select "Line Printer Daemon-LPD"

In "Address" input USB Server IP

In "Queue" input queue name (please refer to 4.1 Description)

In "Print Using" select your printer driver

Press "Add"

00		Add Printer	
		٩	
Default Fax	IP Windows		Search
Protocol:	Line Printer Da	aemon – LPD	:
Address:	192.168.0.254	1	
	Valid and complet	e address.	
Queue:	f0032a1502		•
	Leave blank for de	fault queue.	
Name:	192.168.0.254		
Location:			
Print Using:	Generic PCL La	aser Printer	•
	The selected prin not let you use al	ter software isn't from 1 I the features of your pi	the manufacturer and may inter.
			Add

Press "Continue"

Duplexer	

00	Pri	nt & Fax
Show All		٩
Printers		192.168.0.254
idle, Last Used		Open Print Queue
	Le	cation:
		Kind: Generic PCL Laser Printer
		Status: Idle
* -	🗌 Share ti	his printer on the network (Sharing Preferences)
	Default printer:	Last Printer Used
Def	ault paper size:	A4 🛟
0		
Click the lock to prevent f	urther changes.	(?

4.4 LPR setting for LINUX Ubuntu v12 as an example

Ubuntu v12 as an example Into "Printing", press "Add"

In "Devices", click "Network Printer", select "LPD/LPR Host or Printer" In "Host", input USB Server IP address.

In "Queue", input queue name (please refer to 4.1 Description).

Press "Forward"

😣 🗐 🕘 New Printer					
Select Device					
Devices	Location	of the LPD ne	twork	printer	
Enter URI	Host:	192.168.0.254		😫 Prot	be
SHARP MX-M314N (mx-m314n	Queue:	f0032a1502			
HP LaserJet P3005 (NPI0CC9D					
SHARP MX-M310N (rdv2b66f2 Find Network Printer					
AppSocket/HP JetDirect					
Internet Printing Protocol (ipp					
Internet Printing Protocol (ipp					
Internet Printing Protocol (ipp					
LPD/LPR Host or Printer					
&					
			Can	cel Forward	đ

In this page, select your printer model.

😣 🗇 🕕 New Printer
Choose Driver
Select printer from database
○ Provide PPD file
○ Search for a printer driver to download
The foomatic printer database contains various manufacturer provided PostScript Printer Description (PPD) files and also can generate PPD files for a large number of (non PostScript) printers. But in general manufacturer provided PPD files provide better access to the specific features of the printer.
Makes
Generic
Alps
Anitech
Apollo
Apple
Brother
Back Cancel Forward

Finish.

5. Troubleshooting

5.1 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".

Hereby ASSMANN Electronic GmbH, declares that this device is in compliance with the requirements of Directive 2014/30/EU (EMC), Directive 2014/35/EU (LVD) and the Directive 2011/65/EU for RoHS compliance. The complete declaration of conformity can be requested by post under the below mentioned manufacturer address.

Warning:

This device is a class B product. This equipment may cause some radio interference in living environment. In this case, the user can be requested to undertake appropriate measures to prevent interference.

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