1. Connection USB Server Gigabit [ACPIUSBSGB] via Network

Installation



Power supply



System-LED (green/ orange)

GREEN ON Power supply and system OK **GREEN** flashing System start **ORANGE** flashing Current firmware update or reset to factory settings **ORANGE ON** Reset to factory settings finished; Restart

Power over Ethernet [part#: ACPIPOE]

State-LEDs (green/ red)

GREEN ON RED ON

USB port in use The USB Server has been disconnected the power supply of the port e.g. due to overload or temporary disconnecting of the USB device

required

Software

Install the software programs from the Software-CD (folder: USB-Server):

- **USB** Redirector
- WuTility

Starting the USB redirection

Start the USB Redirector. The local network will be automatically scanned for available USB-Servers (if not, refresh the current view with File/ New).

Unb Unb	enannt - W&T USB Redirector					
File E	dit Devices Options Help)				
D 🗳	🖬 🕲 🗳 🖆 🔚 🔛	i 🗄 🖓 🛛 🔁				
	Identification	Port	Description	Requested	Client	Status
۰	192.168.49.189	32032	USB-Sever-00C03D			
2	192.168.49.193	32032	USB-Sever-062626			
÷	0403-DE37	1	OPTRIS PI IMAGER			
Ready						NU



If several USB-Servers are in your network you can identify your own by the number you find in the overview of Redirector (under Description) as well as on the serial number label of your device(e.g.: USB-Server-062626).

You see in the *Redirector* the connected USB device. Mark it and press the Claim button.



The status is changing now to Connected. You can see the IP address of your local PC under Client:

U Un	benannt - W&T USB Redirector					
File	Edit Devices Options Help	p				
	; 🖬 🕪 📭 😰 🕼 💷	2 🗄 🖓 🚯				
	Identification	Port	Description	Requested	Client	Status
۲	192.168.49.189	32032	USB-Sever-00C03D			
2	192.168.49.193	32032	USB-Sever-062626			
6	0403-DE37		OPTRIS PI IMAGER	until exit	192.168.49.179	connected
Ready						NUM
<u> </u>						

The device (IR camera PI, CTvideo or CSvideo) can now be used in the same way as it would be connected directly to a local USB port of your PC.

The program *Redirector* can be minimized – the redirection will be determined if you close the window.

Automated USB redirection

Open the *Redirector* and mark the connected device. Then press Claim, Advanced:

E Trans

Select permanently:

dentification			OK
USB Server	TCP port	US8 port	
192.168.49.193	32032	1	Cancel
Use for how long?			
🗙 🔘 don't use			
basic			
🚺 🗇 until configur	ation tool exits		
R 🗇 unti Window	s is restarted		
00 @ permanently			
advanced			
🖸 🔘 ends after	5 *	minutes	
🗖 🗇 automatic, fr	r this application		- 🔲 🚘
🗃 🗇 automatic, w	hile printing		
न्द्र≣ 🗇 as alternate	device for 192	168.49.193:32032/1	(OPTRIS PI IM. +
atta i forme one ese war	to to use this dev		
Sin B hold on her the	came IT the	ing ma of denied rem	
	some Linus	the me of denied requ	
C Mc go, Uniess I	sopect within	 second 	

The USB redirection is now kept also if the program *Redirector* will be closed. If the PC and/ or the USB-Server are restarted, the redirection will be recovered automatically.

Stopping the USB redirection

To stop the permanent USB redirection, start the *Redirector* and press the **Release** button:



2. Direct Connection (Point-to-Point-Network)

Installation



On a direct connection to a PC both, the USB-Server as well as the PC must use a fixed IP address. No DHCP server is available here. Accomplish the following settings on your PC once (depending on the operating system the procedure can differ from the here shown – the following description refers to a Windows 7 system).

1. Go to System controls; open Network and Sharing Center.



2. Enter Local Area Connection – status screen [1] is shown and subsequently Properties.

3. Mark Internet protocol Version 4 (TCP/IPv4) [2] and go to Properties again.

Local Area Connection Status	Ucal Area Connection Properties	Internet Protocol Version 4 (TCP/IPv4) Properties
General	Networking	General Alternate Configuration
Connection	Connect using:	If this computer is used on more than one network, enter the alternate IP settings below.
IPv6 Connectivity: No network access	Cartinum	Automatic private IP address
Media State: Enabled	This connection uses the following items:	O Uger configured
Duration: 00:05:48	Client for Microsoft Networks	IP address:
Details	 ✓ ■ QoS Packet Scheduler ✓ ■ File and Printer Sharing for Microsoft Networks 	Sybnet mask:
	Internet Protocol Version 6 (TCP/IPv6)	Default gateway:
Activity		Preferred DNS server:
Sent — 💭 — Received		Alternate DNS server:
Buter: 96.057 29.998	Description	Preferred WINS server:
50,037 23,550	Transmission Control Protocol/Internet Protocol. The default	Alternate WI <u>N</u> S server:
Properties Olisable Diagnose	wide area network protocol that provides communication across diverse interconnected networks.	Validate settings, if changed, upon exit
Close	OK Cancel	OK Cancel
[1]	[2]	[3]

- 4. Open register Alternate Configuration in window [3] and enable the checkbox User configured.
- 5. Now enter a user defined IP address for your PC, for example **192.168.0.1**.



6. To change the network settings of the USB-Server start the *WuTility* program:

Untitled - WuTility	and the second				Set Inventorying Met	hod			
File Device Configurat	on Firmware Op	ptions Help							
New Open	Save Sci	Double-click on list item Program startup actions	;	D di ster Firms	Cocal broadcasts Global broadcast	(NOT recommended)	OK Cancel		
Ethernet address IP address Pro-	Save passwords?		Version	 Global broadcast, 	select interface				
O0c03d:062e1c 192.168.0.2	92.168.0.2 #53	Remind me about registration?	1.6	1.61	Intel(R) 82579LM Gi	gabit Network Connection			
	1	Sort for new devices?			Address	Mask	Gateway		
		Toolbar			192.168.0.1	255.255.255.0	0.0.0.0		
		Edit columns Highlight address range			This computer seems	to be connected to more th	an one network. A "global		
					broducast may not t	e able to find all of your de	vices.		

1. G0 to Options/Inventorying method and choose Global broadcast.

Dutitled - WuTility									- 0	×
File Device Configur	ation Firmware	Options Help)							
New Open	Save Scar	n IP Address	<u>, III</u> Telnet	() Browser	Z Register	Firmware	୍ଭ? Help	6 About		
Ethernet address	IP address	Product ID P	roduct name		Versio	n				
00c03d:062626 190.107.233.110 #53642 USB-Server Industry Isochron 1.53										
•										+
Ready									NUM	11

Independent on the current network settings of the USB-Server the device is displayed now. Mark the USB-Server and then press IP Address:



7. The standard setting of the USB-Server is DHCP. On a direct connection to a PC set a static IP address to the device. Take care that the network part of the address is identical to the network part of the IP address of the connected PC (therefore: **192.168.0**):

USB Server Gigabit – Quick Start Guide

C dynamic (DHCP)							
static IP address (must be unique):		Address range:					
	This address might be unused.						
Subnet mask:	255 . 255 . 255 . 0	Default values from Windows networking	U Un	benannt - W&T USB R	edirector		
Default gateway:	0.0.0		File	Edit Devices Optic	ins Help	a 17 a 1	1:
DNS server A:			Nev	v Open Sav	e Scan In Po	sert Edit Browner	Clair
			2	192.168.0.2 0403-DE37	3203	2 USB-Server-062E1C 1 PIDMAGER	_
DNS server B:			4	0403-DE33	2	2 IR Online Video Sensor	1

8. Now press **Next** and then **Finish**. The network connection between PC and USB-Server will be established and you can perform the USB redirection as described previously. Close the **WuTility** software.

Vanced Release

Requested

until exit until exit until exit 92 Details

Client

192.168.0.1 192.168.0.1 192.168.0.1

g^{te} Options About

Status

Scope of Supply

- USB Server Gigabit
- 24 V power supply
- Ethernet cable, 1m
- Quick Start Guide

