

Data sheet:

## USB-Server Gigabit



Article no.: 53662

The USB-Server 53662 has been replaced by the functionally compatible successor model **USB-Server Gigabit 2.0, #53663**.

### USB devices simple and fast anywhere in the network

The USB-Server Gigabit integrates a USB device in industry fashions into the network using TCP/IP Ethernet. The devices connected to the USB Server-Gigabit behave as if they were connected directly to your Windows PC.

### Properties

#### Interfaces:

- **2x USB 2.0 USB ports**
  - Simultaneous connection of PC A to USB1 and PC B to USB2 possible
  - Both ports have max. 500mA load capacity
- **1x Ethernet 100/1000BaseT**
  - Autosensing/Auto-MDIX

#### Management and connectivity:

- **Remote configuration**
  - Startup using WuTility (three clicks and you're done), DHCP
  - Web-Based-Management
- **Fully USB 2.0 compatible**
  - Support of all USB modes (**Control, Bulk, Interrupt, Isochronous**)
- **USB Redirector implemented as a Windows kernel-mode driver**
  - XP/2003/Vista/2008/7/2008R2/8/2012/8.1/2012R2/10 incl. Server-, 64B-bit editions and virtual systems
  - Communication even without user login
  - Intuitive graphical configuration tool
  - Additional command line tool for batch-/script-controlled device incorporation
- **Full TCP/IP support incl. routing and DNS**
- **Increased data throughput**
  - Network connection via Gigabit-Ethernet
  - High-performance hardware platform for less latencies

#### Power supply:

- **External**
  - Screw terminals, 12V-48V DC
- **Power-over-Ethernet (PoE)**

#### Standards & more

- **Conforms to standards both in office and industrial environments:**
  - High noise resistance per EN 61000-6-2
  - Low noise emission per EN 55032:2015 + A1 Cl. B, EN 61000-3-2 & EN 61000-3-3
- **5 year guarantee**



Wish for something!

[Your suggestions for improvement and additions](#)

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## Run modes

### Windows USB Redirector

Install the USB Redirector and insert your USB device using the USB Redirector - that's it! Regardless of whether you are replacing missing hardware USB ports, working in virtual environments such as VMware, HyperV etc. or just need a simple line driver, your USB communication becomes network-capable without a single line of programming.

### Everything included

The small box contains everything you need to map USB devices to a network. Regardless of whether you are using it as an extension across your network or together with other devices such as scanners, printers, dongles, measuring instrumentation etc., USB devices connected to the USB Server Gigabit behave just as if they were connected directly to your Windows PC. Support of all USB modes (Control, Bulk, Interrupt, Isochronous) ensures problem-free communication with both traditional USB devices and isochronous devices in audio, video and measurement technology. We don't need voluminous lists of compatible devices - everything means everything.

### Everything included

On the software side, as a core driver the USB Redirector integrates the virtual USB ports into the Windows plug-and-play system. As with local installations, the USB device can be operated without the need for a Windows user login. The USB-Server Gigabit supports cross-network, routed connections and provides functions for automatically restarting communication after network faults and interruptions.

### All applications

#### Share devices

Move the valuable dongle into the safe server room and allow users to access it over the network.

#### Virtual environments

Integrate real USB peripherals (measurement technology, card readers etc.) into virtual machines under VMWare, HyperV, Virtual Box etc.

#### Line driver

Operate the USB device at virtually any distance from the computer

#### Galvanic isolation

Create galvanic isolation between the PC and USB device to prevent ground loops and undesired equalizing currents

#### Interoperability guarantee

We stand by our word: "We're compatible with everything." If your particular USB device with its special driver and special version level in fact refuses to run, we will analyze precisely what makes your USB device so unique. As a rule this is all it takes to change the behavior of our USB Server so that it also works with your device. If even that does not provide a resolution, you will receive an exact technical error analysis. You can use this if needed to solve the problem with the help of the manufacturer of your USB device.

#### Special modes

On the software side, as a core driver the USB Redirector integrates the virtual USB ports into the Windows plug-and-play system. As with local installations, the USB device can be operated without the need for a Windows user login. The USB-Server Gigabit supports cross-network, routed connections and provides functions for automatically restarting communication after network faults and interruptions.

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## Technical data

### Connections and displays:

USB ports:	2 x USB A ports (500mA)
USB speed:	1.5/12/480 Mbit/s [Low-/Full-/Highspeed]
Network:	100/1000BaseT Autosensing/Auto-MDIX RJ45 IPv6 on request
Galvanic isolation:	Network connection: MIN. 1500 V
Supply voltage:	Power-over-Ethernet (PoE) or DC 24V .. 48V (+/-10%) per screw terminal
Current draw	PoE Class 3 (6.49-12.95 W) Ext. supply (24V DC) without USB devices: typ. 120 mA Ext. supply (24V DC) with 2 USB devices each 2.5W: typ. 420mA
Supply connection:	Plug-in screw terminal, 5.08mm spacing Labeled "L+" and "M"

Displays: 1 LED System  
2 LEDs Network Status  
2 LEDs USB State

#### Housing and other data:

Housing: Plastic compact housing for top-hat rail mount  
105x22x75mm (LxWxH)

Enclosure rating: IP20

Weight: approx. 120g

Ambient temperature Storage: -40..+85°C  
Non-end-to-end installation: 0..+50°C

Permissible relative humidity: 5..95% RH, non-condensing




Scope of delivery: 1x USB-Server Gigabit  
1x Quick Guide  
1x Product CD with USB Port Redirector, WuTility management tool,  
manual, German/English

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## Accessories

\*Net unit price for  
commercial users

### Power supplies

Plug-in Power Supply, 24V / 750mA DC with Euro plug	11025	33.00€	
Plug-in Power Supply, 24V / 750mA DC with Euro, US and UK plug	11026	38.00€	
Power supply for DIN rail, 24V / 630mA DC (merchandise, 2-year manufacturer's guarantee)	11080	33.00€	

### Mechanical Accessories

Wall mount housing, enclosure rating IP66 / IP67	11120	54.00€	
Mounting bracket for wall mounting	58812	11.20€	
19" DIN rail	58813	21.00€	

### Supplementary network products

Ethernet Switch Industry, 4 Ports	55604	218.00€	
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### Software

WuTility	00104	free	
USB Redirector for Linux	00113	free	
USB Redirector for Windows	00109	free	

\* Our offering is intended only for commercial users. We will be happy to refer private end customers to trading partners through whom our products can be purchased.



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