## W&T connects

**Interfaces** for TCP/IP, Ethernet, RS-232, RS-485, USB, 20mA, glass and plastic fiber optic cable, http, SNMP, OPC, Modbus TCP, I/O digital, I/O analog, ISA, PCI
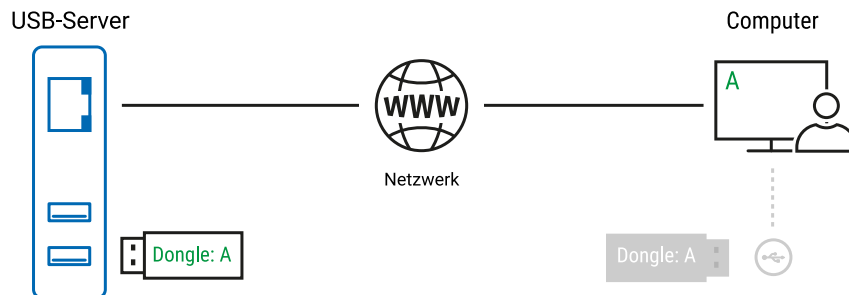
W&T
www.WuT.de

Data sheet:

# USB Server Megabit 2.0



Article no.: 53665

## EUR 298.00

*Net price for commercial users

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| WuTility |
| USB Redirector |
| Firmware |

## USB devices anywhere in the network

The Megabit 2.0 USB Server integrates USB devices into your industrial network via TCP/IP Ethernet. The USB devices connected to the USB Server behave just as if they were connected directly to your Windows or Linux PC.



# Properties

## Interfaces:

- **2x USB 2.0**
  - An external USB hub supports up to 8 USB devices
  - Simultaneous connection of PC A to USB1 and PC B to USB2 is possible

- **1x Ethernet 100BaseT**
  - Autosensing/Auto-MDIX

## Management and connectivity:

- **Remote configuration**
  - Startup using WuTility
  - DHCP
  - Web-Based-Management

- **Fully USB 2.0 compatible**
  - Supports all USB modes (Control, Bulk, Interrupt, Isochron)
  - Each port has up to 500mA load capacity

- **High data throughput**
  - Network connection via 100Mbit/s Ethernet
  - Low latencies thanks to high performance hardware platform

- **Fully TCP/IP support incl. routing and DNS**

- **USB Redirector for Windows and Linux systems**
  - Rugged USB communication thanks to long years of experience
  - Automatic connections possible without user login or interaction
  - Supports script-based controller

## Power supply:

- **External supply**
  - Screw terminals, 24 - 48V DC

- **Power-over-Ethernet (PoE)**

## Standards & more

- **Conforms to standards both in office and industrial environments:**
  - High noise resistance for industrial environments
  - Low noise emission for residential and business areas

- **5 year guarantee**

Wish for something!
Your suggestions for improvement and additions

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# Run modes

## USB Redirector

Install the USB Redirector and integrate your USB device through the Redirector - that's it! Whether as a substitute for missing hardware USB ports, a solution for virtual environments such as VMware, HyperV etc., or as a simple line driver - your USB communication is immediately network-ready.

## Everything included

The small box contains everything needed for redirecting USB devices into the network. Whether used as any desired extension over your network, or together with other user devices such as scanners, printers, dongles, measuring devices etc.: any USB device connected to the USB-Server Megabit 2.0 behaves just as if it were connected directly to your PC. Support for all USB modes ensures trouble-free communication with both traditional USB devices and isochron devices in audio, video and measurement technology. We can omit a list of compatible devices - any means any.

## Everything included

The USB Redirector integrates the virtual USB ports into the plug-and-play function of your operating system on both Linux and Windows. The deep integration on the core level means the USB devices can also be operated without any user login just as for local installations. The USB Server Megabit 2.0 supports cross-network, routed connections and provides functions for ensuring automatic communication resumption after network faults and interruptions.

## All applications

### Share devices
Redirect the valuable dongle to the secure server room and allow users to access it through the network.

### Virtual environments
Integrate actual USB devices (measuring technology, card readers etc.) into virtual machines running VMWare, HyperV, VirtualBox etc.

### Line driver
Operate the USB device at virtually any distance from the computer

### Galvanic isolation
Use the network to create galvanic isolation between PC and USB device and thereby prevent ground loops and undesired compensation currents.

## Interoperability guarantee

We keep our word: We can work with anything."

Should a special USB device with its specific driver and version not run, we will perform an exact analysis to determine why your USB device is so unusual. By no later than this stage we are almost always able to change the behavior of our USB server such that it will also run with your device. If this somehow does not succeed, we will provide you with an exact technical error analysis. You can use this if needed to solve the problem with the help of the company that made your USB device.

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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: | 100BaseT Autosensing/Auto-MDIX |
| | RJ45 |
| Galvanic isolation: | Network connection: min. 1500 volts |
| Power supply: | Power-over-Ethernet (PoE) or |
| | DC 24V ... 48V (+/-10%) on screw terminal |
| Current draw | PoE Class 3 (6.49W – 12.95W) |
| | Ext. feed (24V DC) without USB devices: typ. 120mA |
| | Ext. feed (24V DC) with 2 USB devices each 2.5W: typ. 420mA |
| Supply connection: | Plug-in screw terminal |
| LED indicators | System: Status and Error |
| | Network: Link and Data |
| | USB: Status and Error (each port) |

## Housing and other data:

| | | |
|---|---|---|
| Housing: | Plastic compact housing for top-hat rail mount 105x22c75mm (LxWxH) | |
| Enclosure rating: | IP20 | |
| Weight: | approx. 120g | |
| Ambient temperature | Storage: -40 ... +85°C | |
| | Operation in non-adjacent installation: 0 ... +50°C | |
| Permissible relative humidity: | 5 ... 95% relative humidity, non-condensing | |
| Scope of delivery: | 1x USB-Server Megabit 2.0 | |
| | 1x Quick Guide in 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

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

### Software

| | | |
|---|---|---|
| WuTility | 00104 | free |
| USB Redirector for Windows | 00109 | free |
| USB Redirector for Linux | 00113 | 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.