

Data sheet:

USB-Server Industry Isochron



Article no.: 53642

This article has been replaced by the expanded successor model [USB Server Megabit 2.0](#).

USB devices anywhere in the network

The USB-Server Industry Isochron integrates a USB device in industry fashion into the network via TCP/IP Ethernet. The devices connected to the USB-Server Industry Isochron 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 10/100BaseT**
 - Autosensing/Auto-MDIX
- **alternate hardware configuration**
 - For 100/1000BaseT, see [USB-Server Gigabit](#)

Management and connectivity:

- **Remote configuration**
 - Startup using EasyStart!, 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**

Power supply:

- **External**
 - Screw terminals, 12V-48V DC
- **Power-over-Ethernet (PoE)**
 - Phantom power using data pairs
 - Power over unused wire pairs

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

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.

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:	10/100BaseT Autosensing/Auto-MDIX RJ45 IPv6 on request
Galvanic isolation:	Network connection: MIN. 1500 V
Power supply:	Power-over-Ethernet (PoE) or DC 24V .. 48V (+/-10%) DC 12V on request
Supply connection:	Plug-in screw terminal, 5.08mm spacing Labeled "L+" and "M"
Current draw	PoE Class 3 (6.49-12.95 W) Ext. supply (24V DC) without USB devices: typ. 90 mA Ext. supply (24V DC) with 2 USB devices each 2.5W: typ. 390mA
Displays:	1 LED State 2 LEDs Network Status

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-cascaded: 0..+70°C
Cascaded: 0..+60°C
Permissible relative humidity: 5..95% RH, non-condensing
Scope of delivery: 1x USB Server Industry Isochron
1x Quick Guide
1x manual, German/English



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