



INU-100 USB Deviceserver: The Industrial Solution for USB Remote Access!

Fast USB via Remote Access

The INU-100 USB Deviceserver integrates almost every non-network-ready USB device into the most diverse industrial environments with TCP/IP networks.

The connected USB devices can be controlled flexibly and remotely, just as your individual environment requires it. The connection merely has to be established manually or automatically with the corresponding software tool SEH UTN Manager.

USB 3.0 assures data transmission at future-proof top speeds

Perfect Industrial Fit

The INU-100 is mounted on a top-hat rail (DIN EN 60715, 35 mm wide). Thus it can be installed in control cabinets and racks without a hassle. The power supply can be chosen freely between 12 V and 48 V.

A multitude of USB devices can be connected, including USB2serial adapters which permit integration of serial devices.

In addition, another device can be connected via the integrated relay. This device can then be controlled automatically or manually. Thus a wide range of applications can be tailored to and implemented in your environment!



Your Benefits

- Remote access to USB devices: virtual USB cable extension via the network
- For Windows, OS X/macOS and Linux
- Top compatibility with USB devices

Features

- 2 x USB 3.0 SuperSpeed ports
 - 1 connected USB device: 65MB/s
 - 2 connected USB devices: 40MB/s per port
- Change over (CO) relay
- Gigabit Ethernet (10BaseT/100BaseTX/1000BaseT)
- VLAN (802.1Q)
- Comprehensive security package: encryption, password protection, certificate management, authentication (802.1X), and much more!
- Regular software updates, technical support worldwide for free
- Up to 5 years of guarantee

Highly Available and Redundant

In productive environments devices must work reliably and as failure-free as possible.

And the INU-100 does: It can be connected to two power supplies and has an automatic configuration backup to SD card. Numerous notifications inform the person responsible in case of events and errors, so that the incidents can be diagnosed and resolved.

- Comprehensive security package: encrypted connections, certificate management, device access control, authentication (802.1X), and much more!
- Simple administration, configuration, and maintenance via your web browser (remote access)

Fields of Application

- Industry 4.0 scenarios, e.g.
 - Installation of sensor networks via TCP/IP linking
 - Integration of mass storage devices (for storing data locally)
- Ideal for virtualized and server-based environments
- Installation of camera-based monitoring and inspection with USB cameras
- Distributed, dongle-based multi-factor security solutions
- And many more!

INU-100 USB Deviceserver

TECHNICAL SPECIFICATIONS

Interfaces and Network Connectors

- Gigabit Ethernet (10BaseT/100BaseTX/1000BaseT)
- 2 × USB 3.0 ports (SuperSpeed)
 - 1 connected USB device: up to 100 MB/s*
 - 3 connected USB devices: up to 40 MB/s per port
- 1 × microSD card reader
- 2 × female plug (terminal screws) with clamping-yoke connection for:
 - Power supply (can be redundant via 2 power supplies)
 - Relay connection

Configuration and Management

- SEH UTN Manager for:
 - Microsoft Windows (32/64-bit; XP, Windows 7†, Windows 8, Server 2003, Server 2008 R2‡, Server 2011, Server 2012, Server 2016, Windows 10)
 - OS X/macOS (10.8.x, 10.9.x, 10.10.x, 10.11.2§ and later, 10.12.x¶ and later)
 - Linux (64-bit; Ubuntu 12.4.x LTS, Ubuntu 14.04.x LTS, Oracle Linux 6.5)
- INU Control Center (configuration, administration, monitoring, and maintenance via browser)
- Email, SNMP, Bonjour

Supported Protocols

- TCP/IP:
DHCP, BOOTP, ARP, TCP, UDP, ICMP, IGMP, TFTP, HTTP/HTTPS, Zeroconf, DNS, SLP, SNMP MIB-2 compatible, SNMPv1, SNMPv3, SMTP, POP3, SSL/TLS, Bonjour, etc.

Security

- Encryption: SSL 3.0, TLS 1.0/1.1/1.2, HTTPS
- Authentication: 802.1X (EAP-MD5, EAP-TLS, EAP-FAST, EAP-TTLS, PEAP)
- Certificate management: self-signed certificate, certificate request, CA certificate, PKCS#12 certificate, S/MIME certificate
- SNMPv3
- TCP port access control
- Device access control (password protection, session login)
- USB HID class blocking
- Port key control
- Notification service
- USB port deactivation
- VLAN (8021.Q)

* Windows 7 / Windows Server 2008 R2: KB2581464 must be installed (<https://support.microsoft.com/en-us/kb/2581464>)

† KB3033929 must be installed: (<https://support.microsoft.com/en-us/kb/3033929>)

‡ see previous footnote

§ limited USB device support

¶ see previous footnote

Supported Languages

- English, German, French, Spanish, Italian, Portuguese, Japanese, Korean, Chinese (traditional and simplified)

Tests (Notifications)

- CE: EN55024:2010 + A1:2015, EN55022:2010, EN61000-6-2:2005, EN 50581:2012
- RoHS

Power Supply

- supply voltage:
 - 12 V – 48 V DC with a capacity of at least 15 W
 - Low-voltage cable between power supply and INU-100 must not be longer than 3 m
 - INU-100 and power supply must be installed in the same control cabinet

Current Input

- at 12 V:
 - approx. 200 mA without load
 - approx. 1200 mA with full load on the USB ports
- at 24 V:
 - approx. 110 mA without load
 - approx. 550 mA with full load on the USB ports

Relay Connection

- Switching voltage
 - max. 60 V direct current
 - max. 42 V alternating current
- switching current:
 - max. 3 A
- switching power:
 - max. 180 VA direct current
 - max. 126 VA alternating current

Operating Environment

- Temperature: 5–40 °C
- Relative humidity: 20–80 %

Dimensions (Width, Height, Depth)

- 22.5 × 118 × 114 mm

Weight

- 150 g

Order Numbers

- M07210 (EU), M07211 (UK), M07212 (US)



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<https://www.seh-technology.com/products/industrial-solutions/inu-100.html>

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