

# SEH

## 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!



### 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.

### 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

- 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)

### 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

### 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 (connection management tool) for:
  - Microsoft Windows (32/64-bit; Windows 10 or higher, Server 2012 R2 or higher)
  - macOS 10.9 or higher\*\*
  - Linux (Debian 10, Ubuntu 18.04, Red Hat Enterprise Linux 8, Oracle 8, CentOS 8, SUSE Linux Enterprise 15.1, openSUSE Leap 15.1)\*\*\*
- SEH Product Manager (network device management) for:
  - Microsoft Windows (32/64-bit; Windows 10 or higher, Server 2012 R2 or higher)
  - macOS (10.12.x or higher)
- 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)

### 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)



\* only limited support available for USB devices on macOS 11.x (Big Sur) systems; does not run on Apple Silicon (Apple M1 chip) based Mac computers

\*\* A successful installation cannot be guaranteed due to the multitude of Linux distributions! Install at your own responsibility.



SEH Computertechnik GmbH

Suedring 11  
33647 Bielefeld  
Germany

Phone +49 (0) 5 21 9 42 26-29  
Fax +49 (0) 5 21 9 42 26-99  
Support +49 (0) 5 21 9 42 26-44  
Internet [www.seh.de](http://www.seh.de)  
Email [info@seh.de](mailto:info@seh.de)

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

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Germany