IH-304 USB Hub
The USB Hub for Specialized Industry Applications

Use Several USB Devices on One Port

The IH-304 is a USB hub specifically designed for industrial environments.

With the IH-304 you can use up to 4 USB devices on one single USB port. That way you save valuable space in control cabinets and server racks!

USB 3.0 SuperSpeed guarantees fastest transmission of USB data. In addition, the USB ports can be used for charging USB devices.

Perfect Industrial Fit

The integration of the IH-304 into your industrial environment is seamless: the device in a top-hat rail housing is to be mounted on a rail (according to DIN EN 60715; 35 mm wide). This makes installing the IH-304 in a control cabinet or server rack really easy.

The robust design of the IH-304 guarantees a long life and maximized failure-free availability in your industrial environment. The parallel connection to two power supplies makes the IH-304 reliable and highly available. As a standard USB hub the IH-304 does not need special software (plug&play).

The integrated overvoltage protection safely guards the connected USB devices against too high voltages (e.g. from faulty power supplies, lightning strikes or switching operations).

Added-Value through Combination

The industrial USB Deviceserver INU-100 embeds USB devices into TCP/IP networks in industrial environments. Almost every USB device can be used flexibly and independent of location with the INU-100 just as your individual environment requires it.

If you connect the IH-304 to a USB port of the INU-100, you cost-effectively expand the number of USB devices which can be connected. The expansion is easy and fast as IH-304 and INU-100 complement each other perfectly!

Your Benefits

- Reliable and durable
- Cost-effective and simple expansion of USB ports
- Top compatibility with USB devices
- USB 3.0 ports can be used for charging
- Overvoltage protection
- Compact and space-saving design

Fields of Application

Extension of USB ports in industrial environments, e.g. for

- Automation
- Manufacturing
- Process control

And many more!

Features

- 4 × USB 3.0 SuperSpeed ports
- As a standard hub the IH-304 is supported by almost every operating system
- Selectable power supply (12 V to 48 V)
- Redundantly designed power supply

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TECHNICAL SPECIFICATIONS

Interfaces / Device Connection

- 4 × USB 3.0 SuperSpeed
  - USB device connection
  - Can be used for charging: 1.5 A per port
  - Overvoltage protection
  - USB port type A
- 1 × USB 3.0 SuperSpeed
  - Uplink to host system
  - USB port type B

Power Supply

- 1 × screw terminal (can be redundant via 2 power supplies)
- Supply voltage:
  - 12 V to 48 V direct current
  - Power consumption: max. 45 W
- Power supply and IH-304 must be installed in the same control cabinet/server rack
- The cable between power supply and IH-304 must not exceed 3 m in length

Current Input

- at 12 V:
  - approx. 50 mA without load
  - approx. 3.5 A with full load on the USB ports
- at 48 V:
  - approx. 20 mA without load
  - approx. 0.9 A with full load on the USB ports

Tests (Notifications)

- CE:
  - Emission according to: EN 55032 (is class A)
  - Immunity according to: EN 61000-6-2
- FCC class B

Systems

- As a standard hub, the IH-304 is supported by almost every operating system (USB hub drivers are available in most operating systems)

Operating environment

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

Dimensions (Width, Height, Depth)

- 22.5 × 111 × 114 mm

Weight

- 140 g

Order Numbers

- M07250 (EU), M07252 (US)

The system solution for industry-optimized remote access—flexible, space saving, can be used in any combination!

USB to TCP/IP	Serial to USB	USB hub
INU-100	SU-302	IH-304
M07210 (EU)	M07260 (EU)	M07250 (EU)

Made in Germany