

USB-4620

5-port Isolated USB 2.0 Hub

Packing List

Before installation, please make sure that you have:

- USB-4620 USB Module x 1
- Shielded USB 2.0 Cable (1.8m) x 1
- DIN-rail mounting kit x 1
- Quick Start User Manual

If anything is missing or damaged, contact your distributor or sales representative immediately.

Declaration of Conformity

FCC Class A

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause interference in which case the user is required to correct interference at his own expense.

CE

This product has passed the CE test for environmental specifications when shielded cables are used for external wiring. We recommend the use of shielded cables. This kind of cable is available from Advantech. Please contact your local supplier for ordering information.

Overview

USB-4620 is a 5-port isolated USB. It supports USB 2.0 full speed data trans mode (12Mbps*) for Advantech's USB data acquisition modules. Each channel is equipped with a LED indicator that show the working status. USB-4620 also features the DIN-rail mounting capability and the lockable USB cable that provide the rigid connections.

**Note USB-4620 doesn't support USB 2.0 high speed mode (480 Mbps) and USB 2.0 low speed mode (1.5 Mbps)*

Notes

For more information on this and other Advantech products, please visit our websites at:

<http://www.advantech.com/eAutomation>

For technical support and service:

<http://www.advantech.com/support/>

This startup manual is for USB-4620.

Part No. 2003462000

1st Edition

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Specifications

- **Ports:** Upstream x 1 (TypeB)
Downstream x 5 (TypeA)
- **Compatibility:** Universal Serial Bus
Specification Rev. 2.0
- **Transfer Speed:** 12 Mbit/s- Full Speed Mode
- **Isolation Protection:** 3,000 VDC for each downstream port
- **Supply Current:** 500 mA max. per channel

General

- **Housing:** Plastic (ABS+PC)
- **Dimensions:** 132x80x32mm
- **DC Input:** 10~30V_{DC}
- **Power Consumption:** +24V@36mA
- **Operating Temperature:** 0~60° C (32~140° F)
- **Storage Temperature:** -20~70° C (-4~158° F)
- **Storage Humidity:** 5~95% RH non-condensing

Installation

Hardware Installation

You can install the USB-4620 module in any USB port that supports the USB 2.0 standard.

Please follow the steps below to install the module on your system:

1. Touch the metal part on the surface of your computer to neutralize the static electricity that might be in your body.
2. Plug your USB module into the selected USB port. Use of excessive force must be avoided; otherwise the module might get damaged.

LED Definitions

The USB Module is equipped with a LED indicator to show the current status of the device. Please refer to the following table for detailed LED indicator status information.

LED Status	Description
On (Green)	Device ready for work
On (Red)	Over-current
Off	Device not ready