

Industrial USB over Cat5/ Cat6 Extender Kits

Metal Cases and ESD Protection

Models:

B203-101-IND

B203-101-IND-ER

B203-104-IND

B203-104-IND-ER



Purchased product
may differ from image.

Este manual está disponible en español en la página de Eaton:
Tripplite.Eaton.com/support

Ce manuel est disponible en français sur le site Web de Eaton :
Tripplite.Eaton.com/support

Dieses Handbuch ist in deutscher Sprache auf der Eaton-Website verfügbar:
Tripplite.Eaton.com/support

Questo manuale è disponibile in italiano sul sito web di Eaton:
Tripplite.Eaton.com/support

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Powering Business Worldwide

Product Features

- The B203-101-IND and the B203-104-IND extend USB 2.0 signals up to 150 ft. (45 m) from the source
- The B203-101-IND-ER and the B203-104-IND-ER extend USB 2.0 signals up to 330 ft. (100 m) from the source
- The B203-104-IND and B203-104-IND-ER allow you to connect up to four USB 2.0 devices
- B203-101-IND and B203-104-IND support USB 2.0 data transfer rates up to 480 Mbps
- B203-101-IND-ER and B203-104-IND-ER support USB 2.0 data transfer rates up to 300 Mbps
- Power over Cable (PoC) technology provides power to the transmitter unit via Cat5/Cat6 cable
- Backward compatible with USB 1.1
- Plug-and-play; no software or drivers required
- Compatible with all major operating systems

Package Includes

- B203-101-IND, B203-101-IND-ER, B203-104-IND or B203-104-IND-ER Extender Kit (Transmitter and Receiver)
- DIN Rail Mounts (x2)
- M4 Screws (x4)
- RS-232 Phoenix Adapter
- International Power Supply (Input: 100V to 240V) with Plug Adapters for North America, Europe, U.K. and Australia
- Owner's Manual

Optional Accessories

- N202-Series Cat6 Snagless Patch Cables
- U022-Series USB 2.0 Cables
- UR022-Series Reversible USB 2.0 Cables
- U030-Series USB 2.0 5-Pin Mini-B Cables
- UR030-Series Reversible USB 2.0 5-Pin Mini-B Cables
- U050-Series USB 2.0 Micro-B Cables
- UR050-Series Reversible USB 3.0 Micro-B Cables

Installation

Note: Test to make sure that the entire installation works properly before pulling cables through ceilings or walls.

- 1.** Connect the transmitter unit to an available USB port on your computer with a USB 2.0 cable.
- 2.** Connect the RJ-45 ports on the transmitter and receiver units with Cat5e/Cat6 cable.

Notes:

- For the B203-101-IND and B203-104-IND models, the distance between the transmitter and receiver units must not exceed 150 ft. (45 m).
 - For the B203-101-IND-ER and B203-104-IND-ER models, the distance between the transmitter and receiver units must not exceed 330 ft. (100 m).
- 3.** Connect a USB 2.0 device to each available port on the receiver unit.

Installation

4. For the B203-101-IND-ER and B203-104-IND-ER models, connect the included external power supply to the receiver unit and then to an AC outlet using the correct plug adapter. **(Optional)** External power (9V to 36V) can also be added by using the RS-232 Phoenix connector.

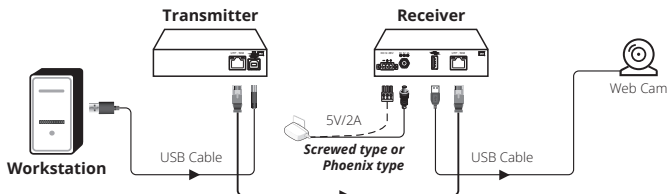
Note: *Only one power source should be connected to the receiver unit(s), never both.*

5. **For the B203-101-IND and B203-104-IND models only:** **(Optional)** if connecting power-hungry device(s), use either the included external power supply or RS-232 Phoenix connector to add external power.

Note: *Only one power source should be connected to the receiver unit(s), never both.*

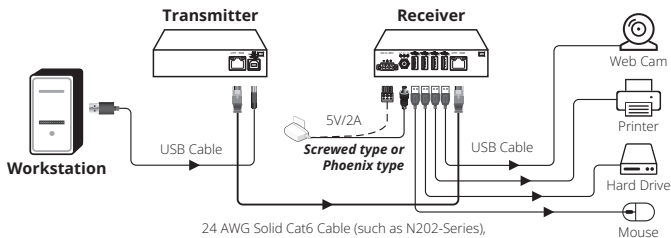
Installation Diagrams

B203-101-IND/B203-101-IND-ER



24 AWG Solid Cat6 Cable (such as N202-Series),
up to 150 ft. (45 m) for the B203-101-IND and
up to 330 ft. (100 m) for the B203-101-IND-ER

B203-104-IND/B203-104-IND-ER



24 AWG Solid Cat6 Cable (such as N202-Series),
up to 150 ft. (45 m) for the B203-104-IND and
up to 330 ft. (100 m) for the B203-104-IND-ER

For the B203-101/104-IND models only: when connecting power-hungry device(s), use either the included external power supply or RS-232 Phoenix connector to add external power.

Note: Only one power source should be connected to the receiver unit(s), never both.

Specifications

Specification	B203-101-IND/ B203-101-IND-ER	B203-104-IND/ B203-104-IND-ER
Supported USB Versions	USB 2.0 (480 Mbps) USB 1.1 (12 Mbps)	
Transmitter Ports	(1x) RJ-45	
Receiver Ports	1x) RJ-45 (1x) USB-A (1x) USB Micro-B	(1x) RJ-45 (4x) USB-A (1x) USB Micro-B
Transmitter Plug	USB-A	
Maximum Extension Distance	B203-101-IND/B203-104-IND: 150 ft. (45 m) B203-101-IND-ER/B203-104-IND-ER: 330 ft. (100 m)	
Operating Temperature	32°F to 122°F (0°C to 50°C)	
Storage Temperature	-4°F to 158°F (20°C to 70°C)	
Transmitter Dimensions [H x W x D]	1.06 x 4.53 x 2.46 in. (27 x 115 x 62.4 mm)	
Receiver Dimensions [H x W x D]	1.06 x 4.53 x 2.46 in. (27 x 115 x 62.4 mm)	

Warranty

1-Year Limited Warranty

We warrant our products to be free from defects in materials and workmanship for a period of one (1) year from the date of initial purchase. Our obligation under this warranty is limited to repairing or replacing (at its sole option) any such defective products. Visit TrippLite.Eaton.com/support/product-returns before sending any equipment back for repair. This warranty does not apply to equipment which has been damaged by accident, negligence or misapplication or has been altered or modified in any way.

EXCEPT AS PROVIDED HEREIN, WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Some states do not permit limitation or exclusion of implied warranties; therefore, the aforesaid limitation(s) or exclusion(s) may not apply to the purchaser.

EXCEPT AS PROVIDED ABOVE, IN NO EVENT WILL WE BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS PRODUCT, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Specifically, we are not liable for any costs, such as lost profits or revenue, loss of equipment, loss of use of equipment, loss of software, loss of data, costs of substitutes, claims by third parties, or otherwise.

FCC Notice, Class B

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications to this equipment not expressly approved by Eaton could void the user's authority to operate this equipment.

Warranty

WEEE Compliance Information for Customers and Recyclers (European Union)



Under the Waste Electrical and Electronic Equipment (WEEE) Directive and implementing regulations, when customers buy new electrical and electronic equipment from Eaton, they are entitled to:

- Send old equipment for recycling on a one-for-one, like-for-like basis (this varies depending on the country)
- Send the new equipment back for recycling when this ultimately becomes waste

Eaton has a policy of continuous improvement. Specifications are subject to change without notice.



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