

1 Port RS232 Serial DB9 Extender over Cat 5 - Up to 3300ft (1000m)

RS232EXTC1 RS232EXTC1GB RS232EXTC1EU



*actual product may vary from photos

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For the most up-to-date information, please visit: www.startech.com

FCC Compliance Statement

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.

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Introduction

The RS232EXTC1 Serial over Cat 5 Extender allows you to increase the distance of your RS232 Serial connection by up to 1000 meters (3300 feet), giving you the ability to connect serial peripheral devices up to a kilometer away from your system - an incredible 65x greater than normal RS232 serial cable length restrictions would permit.

The Extender is a cost-effective serial extension solution and completely hardware-based, eliminating the need to install additional software, allowing for a completely plug and play installation. The hardware can be setup in minutes, using existing or new Cat 5 or better Ethernet cabling.

Perfect for use in industrial monitoring and control, POS, security, medical, and traffic flow applications, the RS232 Serial over Cat 5 extender maintains the RS232 standard with support for data transfer rates of up to 230 Kbps.

Backed by a StarTech.com 2-year warranty and free lifetime technical support.

Packaging Contents

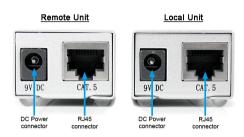
- 1x RS232 Extender Local Unit
- 1x RS232 Extender Remote Unit
- 1x 20cm Null Modem cable (DB-9 Male to Male)
- 2x Power Adapter
- 1x User Manual

System Requirements

- RS232 enabled communication devices
- · (Optional) Available AC power outlet



Side View 1



Side View 2



*actual product may vary from photos



Installation

Hardware Installation

- Connect a 9-pin DB9 cable from the Local unit, to the RS232 serial connector on the local/host device. A male/male DB9 null modem cable is provided, but if another cable/adapter is required, this can be purchased separately from www.startech.com.
- 2. Connect an RJ45 terminated Cat5 Ethernet cable to the RJ45 connector on the Transmitter unit

If you are using surface cabling, ensure you have enough Category 5 unshielded twisted pair (UTP) network cabling to connect the Host Unit to the Remote Unit's location, and that each end is terminated with an RJ45 connector. The cabling should not go through any networking equipment (i.e. router, switch).

OR

If you are using premises cabling, ensure that the Category 5 unshielded twisted pair (UTP) network cabling between the Host Unit and the Remote Unit has been properly terminated in a wall outlet in each location and there is a patch cable long enough to connect the Remote Unit and the Host Unit to their respective outlets. The cabling should not go through any networking equipment (i.e. router, switch).

3. Connect a 9-pin DB9 cable from the Remote Unit to the remote RS232 serial device.

OPTIONAL: Connecting the power adapters is not required in most situations. If the extender does not work, or is intermittent, connecting the power adapters is recommended.

Driver Installation

No driver or software installation is required.



Wiring Information

Conductor	RJ45 Pin	Conductor Color Code
Pair 1	5	White-Blue
	4	Blue
Pair 2	1	White-Orange
	2	Orange
Pair 3	3	White-Green
raii 3	6	Green
Pair 4	7	White-Brown
	8	Brown



DB9 connector Pinout

Pin 1	N/A
Pin 2	Transmit Data (TxD)
Pin 3	Receive Data (RxD)
Pin 4	N/A
Pin 5	Signal Ground
Pin 6	N/A
Pin 7	Clear to Send (CTS)
Pin 8	Request to Send (RTS)
Pin 9	N/A



Specifications

	RS232EXTC1 RS232EXTC1GB RS232EXTC1EU
	1 x RJ45 Ethernet female
Connectors (per unit)	1 x DB9 female
	1 x DC Power
LEDs	N/A
Supported Protocols	RS232
Maximum Baud Rate	230 Kbps
Maximum Cable Length	1000 m / 3300 ft
Compatible Cabling	Cat 5/5e/6/6a
Power Adapter	9VDC, 300mA, center positive, type M plug
Enclosure Material	Metal
Operating Temperature	0°C ~ 70°C (32°F ~ 158°F)
Storage Temperature	0°C ~ 85°C (32°F ~ 185°F)
Humidity	0% ~ 95% RH
Dimensions	92.0mm x 34.0mm x 22.0mm
Weight	65 g



Technical Support

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For the latest drivers/software, please visit www.startech.com/downloads

Warranty Information

This product is backed by a two year warranty.

In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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