Industrial USB 2.0 Repeater Cable

(Part Number: USB-RPT-1)

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■ **INTRODUCTION**

The USB-RPT-1 is an industrial-grade, active USB 2.0 repeater cable that can be used to extend USB 2.0/1.1's distance to 16ft (5m). The USB-RPT-1 supports data rates up to 480Mbps (USB 2.0 specifications) and it requires no software drivers; the unit supports plug-and-play (hot-pluggable), thus making it an ideal solution for connecting USB devices that exceed standard distance limitations. Up to five (5) USB-RPT-1s can be cascaded to extend the USB 2.0/1.1's distance to up to 80ft (25m). The USB-RPT-1 is ideal for a wide range of USB devices, such as USB printers, USB scanners, USB hard drives, USB audio devices, USB touch screens, USB cameras, and USB game controllers.
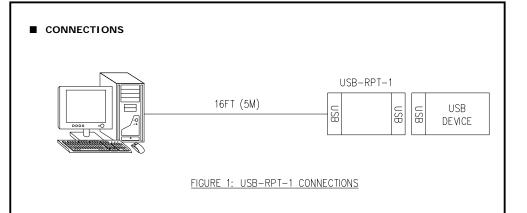
■ **FEATURES**

- Industrial grade.
- USB 2.0 compatible (backward compatible with USB 1.1).
- Plug and play (hot-pluggable), no software drivers required.
- Extends USB distance to up to 16ft (6m).
- Up to fiver (5) USB-RPT-1s can be cascaded to extend the distance to up to 80ft (25m).
- Low, full and high speed data rates: 1.5Mbps, 12Mbps, and 480Mbps.
- Supports EHCI/UHCI/OHCI interface.
- Operating temperature: -4°F to 158°F (-20°C to 70°C).
- Surface Mount Technology manufactured to RoHS and ISO-9001 standards.
- Safety: Strictly certified by SGS (Cert no. E1/2014/C0020C; E1/2014/C0021C).
- 5-year manufacturer's warranty.

■ **SPECIFICATIONS**

Compatibility:	USB 2.0 (backward compatible with USB 1.1)
Devices:	1x USB Repeater Cable
Power Source:	USB bus power
Data Rates:	480/12/1.5Mbps (auto-sensing and self-adjusting)
Distances:	16ft (5m); Up to 5 USB-RPT-1s can be cascaded
Connectors:	Host: 1x Type A Male; Device: 1x Type A Female
Cable Length:	16ft (5m)
Weight:	8.1 oz (230 g)
Operating Temperature:	-4°F to 158°F (-20°C to 70°C)
Operating Humidity:	5~95% RH (no condensation)

■ **CONNECTIONS**

FIGURE 1: USB-RPT-1 CONNECTIONS

■ **TROUBLESHOOTING**
- Please note that, although no software driver is required for the USB-RPT-1, installation of software drivers for any connected USB devices, such as USB serial converters, is required.
- Please note that the maximum current supplied per USB port is 500mA; do not connect too many USB devices to one USB port to avoid over-current problems.