EXT3-U3-T/R

USB 3.2 Gen 1 Extender

| CAT



EXT3−U3−T/EXT3−U3−R is a comprehensive, extended−reach CAT extender solution for USB 3.2 Gen1 (5 GBps) communication. The extender supports both USB3.2 Gen1 devices and legacy USB2.0/1.1 devices. In addition to USB3, RS232 signals and FSYNC video signal (for camera frame synchronization) are extended.

The EXT3−U3−T transmitter unit converts the USB3 host side signal into a CATx signal format based on HDBaseT USB.

The EXT3−U3−R receiver unit converts the CATx signal back into a USB3 device side signal and functions as a USB hub for up to 3 devices.

The extender operates seamlessly as a plug&play device with no need for any prior configuration. It supports a wide Variety of USB peripheral devices supporting all USB transaction modes including interrupt, bulk and isochronous and is especially suitable for high throughput video streaming USB devices such as cameras and capture devices.

EXT3−U3−T/R uses power delivery over the CATx cable requiring only one side to facilitate a power source.

These devices may be sold together as an extender bundle or separately (paired with other HDBaseT USB3 (VS6320 based) products)

FEATURES

Comprehensive USB Extender - Plug & play USB extender kit for providing extended−reach CAT signals and 2−way power over twisted pair copper infrastructures. A local USB host is auto−connected to remote−connected USB devices employing either interrupt, bulk or isochronous USB 2.0 standard data transfer communication

Flexible USB Connectivity - Wide Variety of USB peripheral devices can be extended including cameras, touch screens, smart boards, hard drives, game controllers, audio devices, printers, scanners, or HID (Human Interface Devices) devices such as a mouse or keyboard. Dual role and OTG (On The Go) devices such as smart phones and tablets, connected either to a transmitter−side USB host port or receiver−side USB device port, can communicate with a remote host or peripheral pairing device

Remote USB Charging - Fast USB charging of peripheral devices when the receiver is powered by a power supply, and standard USB charging when the receiver is powered by the transmitter via CAT

Bidirectional RS-232 Extension - Serial interface data flows in both directions, allowing data transmission and device control

Cost−Effective Maintenance - Status LED indicators facilitate easy local maintenance and troubleshooting

TECHNICAL SPECIFICATIONS

Inputs	1 CAT: On an RJ–45 female connector for extension line (EXT3–U–R)
Outputs	1 CAT: On an RJ–45 female connector for extension line (EXT3–U–T)
Ports	1 USB: On a USB–B female connector for USB host extension (EXT3–U–T)
	3 USB: On USB–A female connectors for USB devices extension (EXT3–U–R)
	1 RS–232: On a 3–pin terminal block connector for serial link extension
USB Features	Integrated USB Hubs Rx: 1
Traffic Rate	5 GBps
Extension Link	HDBaseT USB over CATx
Reach Distance	100 meters
Extension Line	Integrated USB Hubs Rx: 1
EXT3-U-R USB CHARGING:	PoE+ as PSE or PD
Power	Source 12V DC, 2A
	Indicators: LINK and ON LEDs
	EXT3-U-T Consumption 1.1A
EXT3-U-T USB CHARGING:	PoE+ (PSE or PD)
Enclosure	EXT3-U-R Consumption 1.85A
	Size: Demi Tools
	Type: Aluminum
	Passive (EXT3–U–R)
	Cooling (EXT3–U–T)
BALANCED LINE LEVEL INPUT	Operating Temperature 0° to +40°C (32° to 104°F)
Storage Temperature:	–40° to +70°C (–40° to 158°F)
Humidity:	10% to 90%, RHL non–condensing
REGULATORY	Safety: CE, FCC, UL
	Environmental: RoHs, WEEE
General	Accessories Power adaptor Included (EXT3–U3–T)
Product Dimensions	19.05cm x 5.96cm x 2.74cm (7.50" x 2.35" x 1.08") W, D, H
Product Weight	0.3kg (0.7lbs) approx
Shipping Dimensions	14.00cm x 26.00cm x 6.40cm (5.51" x 10.24" x 2.52") W, D, H
Shipping Weight	0.5kg (1.0lbs) approx

CONFIGURATIONS

EXT3-U3-T	USB3.2 Gen 1 Transmitter unit (host side)
EXT3-U3-R	USB3.2 Gen 1 Receiver unit (devices side)

