4-port USB 3.2 Gen 1 Cat 6A Extender (up to 100 m)

UCE33100

The UCE33100 is a two-piece extension kit that transmits uncompressed USB 3.2 data at up to 5Gbps over 100m via a Cat 6A cable. With four USB Type-A ports built on the remote unit, the connection to multiple USB peripherals, from flash drives, keyboards, mice, and webcams to interactive whiteboards, is made easy. The support for bi-directional RS-232 pass-through facilitates integration into control systems, and apart from that, the Frame Synchronization (FSYNC) GPIO pass-through ports allow bi-directional commands to be sent when it comes to industrial camera implementations. The bi-directional 24V power over cable function eliminates the need for an additional power adapter when either of the local or remote unit receives power.

The UCE33100 supports plug-and-play operation to work flawlessly with all operating systems, assuring hassle-free installation with no extra driver or software required. Flexibility is further enhanced due to the extender's compact, wall-mountable enclosure, which also helps save space.

Long Distance Transmission | Power over Cable | USB 3.2 Gen1 | USB Lossless | RS-232 Channel | Transparent USB Support | OS Support: Win, Mac, Linux

UCE33100L



UCE33100R



Front View



UCE33100L

UCE33100R

Rear View

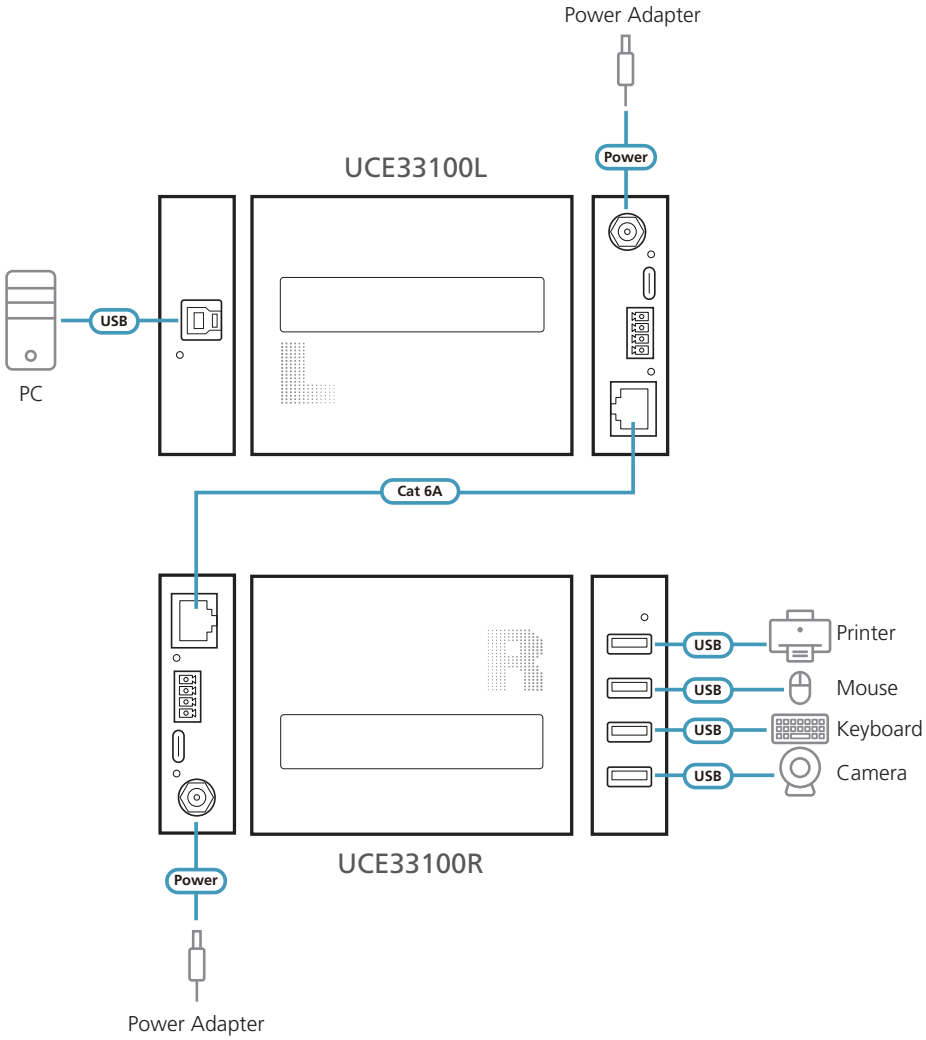


UCE33100L

UCE33100R

Features

- A two-piece extension kit that transmits USB signals over a Cat 6A cable
- Long distance USB 3.2 data transmission at up to 5Gbps across 100m
- Backward compatible with USB 2.0 / 1.1 specifications
- 4x USB Type-A ports built on the remote unit for connection to multiple USB peripherals (flash drives, keyboards, mice, webcams, interactive whiteboards, and any other USB-based devices)
- Supports bi-directional RS-232 pass-through for integration into control systems
- Supports bi-directional Frame Synchronization (FSYNC) GPIO pass-through for industrial camera applications
- Bi-directional 24V power over cable eliminates the need for an additional power adapter when either of the local or remote unit receives power
- Plug-and-play with no driver / software required to work with all operating systems
- Compact, wall-mountable enclosure elevates installation flexibility and helps save space



Specifications

	UCE33100
Local Unit	
Upstream Port	1 x USB Type-B Female
Downstream Port	1 x RJ-45 Female 1 x USB-C Female (Firmware Upgrade) 1 x 3-pin Terminal Plug (RS-232) 1 x 1-pin Terminal Plug (FSYNC) **Note:** The USB-C port is for firmware upgrade only. Please do not connect any other devices during regular use.
Power	1 x DC Jack
Remote Unit	
Upstream Port	1 x RJ-45 Female
Downstream Port	4 x USB Type-A Female 1 x USB-C Female (Firmware Upgrade) 1 x 3-pin Terminal Plug (RS-232) 1 x 1-pin Terminal Plug (FSYNC) **Note:** The USB-C port is for firmware upgrade only. Please do not connect any other devices during regular use.
Power	1 x DC Jack
USB Specification	USB 3.2 Gen 1
Cable Type	Cat 6A Ethernet Cable
Signal Range	100m
LEDs	
Status	3 x LED
Power Consumption	UCE33100L: DC24V:1.92W UCE33100R: DC24V:2.64W
Environmental	
Operating Temperature	0 – 40 °C
Storage Temperature	-20 – 60 °C
Humidity	20 – 90% RH, Non-condensing
Physical Properties	
Weight	260 g
Housing	Metal Enclosure
Dimensions (L x W x H)	10.75 x 8.5 x 2.55 cm

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