# 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.

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

UCE33100L



Front View



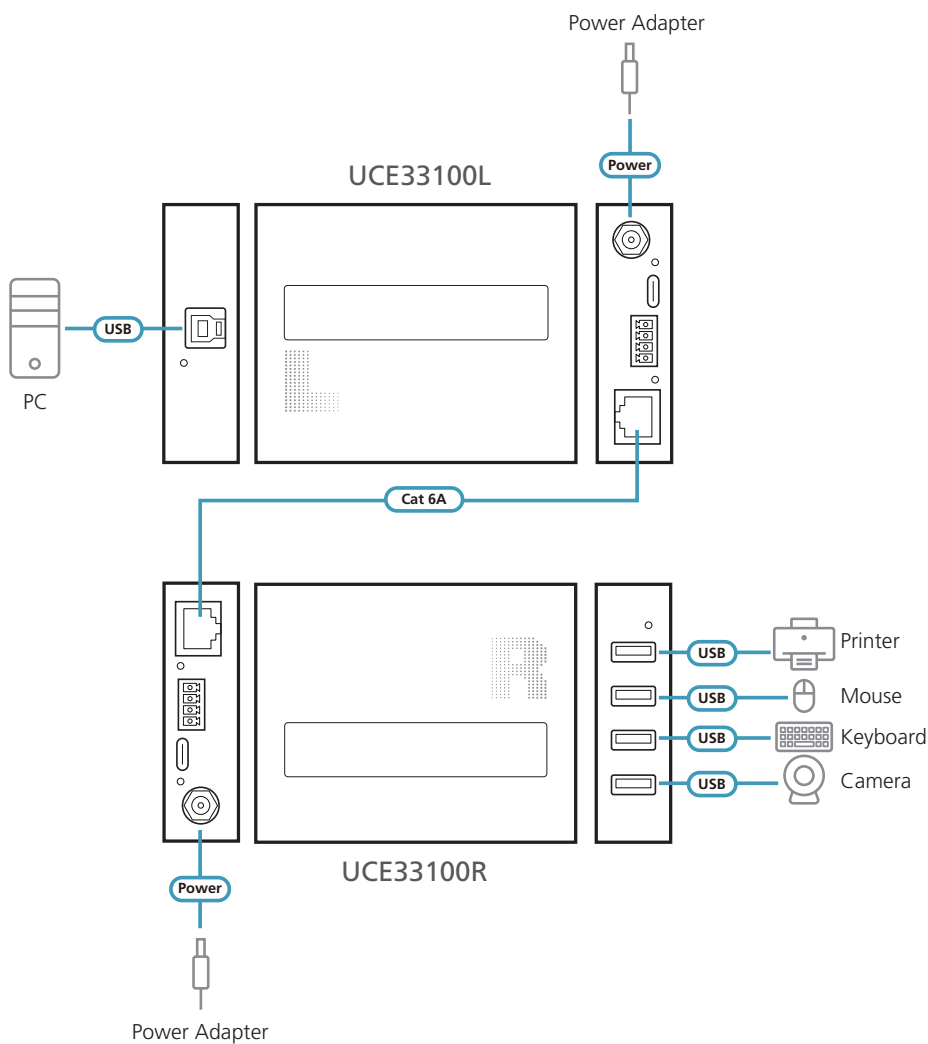UCE33100L

UCE33100R

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<br>1 x USB-C Female (Firmware Upgrade)<br>1 x 3-pin Terminal Plug (RS-232)<br>1 x 1-pin Terminal Plug (FSYNC)<br><br>**Note:** The USB-C port is for firmware upgrade only.<br>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<br>1 x USB-C Female (Firmware Upgrade)<br>1 x 3-pin Terminal Plug (RS-232)<br>1 x 1-pin Terminal Plug (FSYNC)<br><br>**Note:** The USB-C port is for firmware upgrade only.<br>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<br>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 |

Product information is subject to change without prior notice.

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