Simply Better Connections

UCE33100

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

As the scope of meeting rooms continually evolves, it's critical that we keep pace and maintain fast data transmission that extends to a longer distance should the occasion arise. In such cases, the UCE33100 becomes your perfect partner as it extends your USB connectivity across a distance of up to 100 m over a Cat 6A cable to assure a smooth meeting experience and contribute toward your overall operational efficiency at the office.

Simply Better Connections

Long Distance Transmission

USB 3.2 Gen 1

Power Over Cable

RS-232 Pass-through

Frame Synchronization

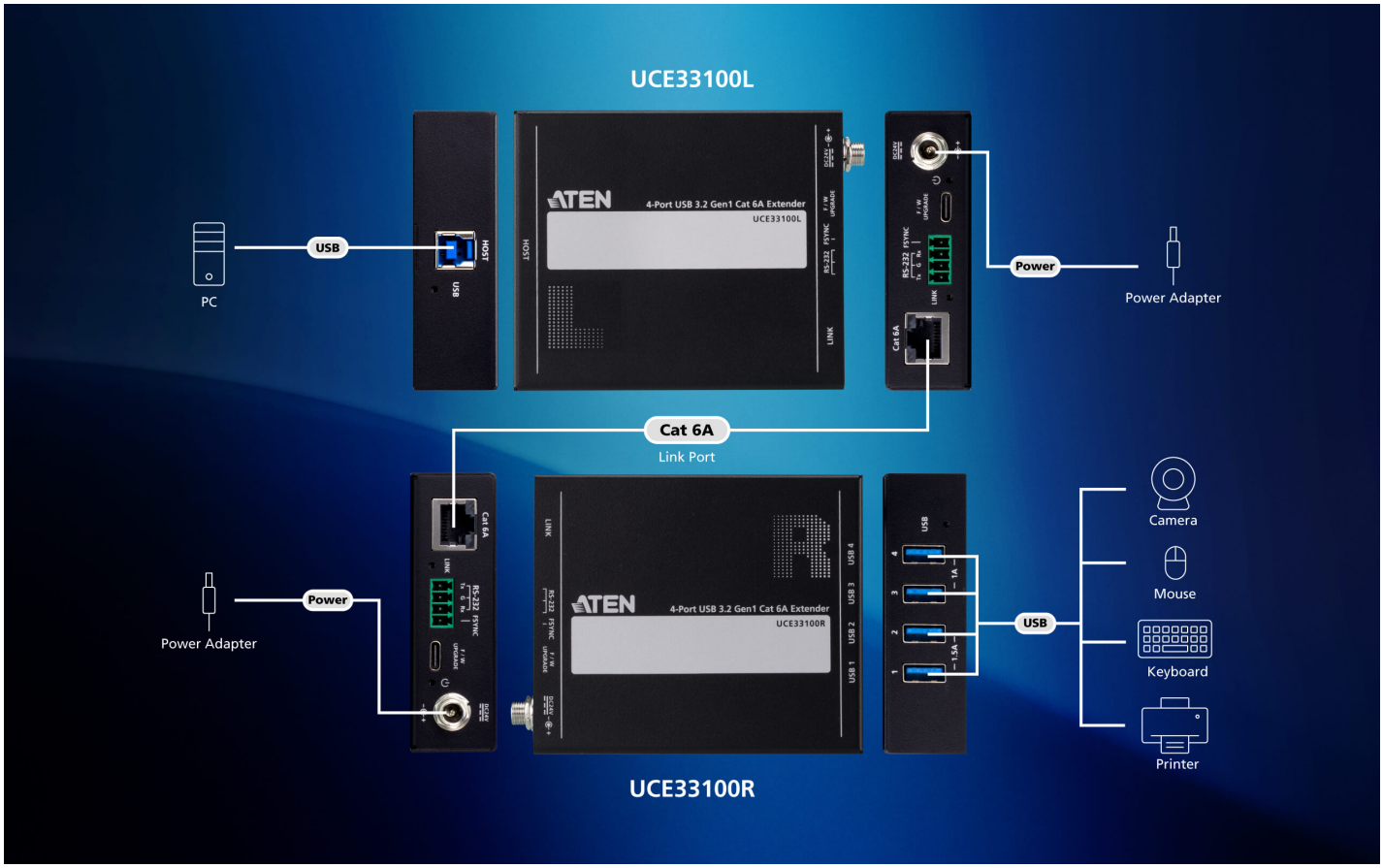
Mounting Kit

5 Gbps High-Speed Data Transmission over 100 m

Transmit USB 3.2 data at an ultra-high 5 Gbps speed spanning a distance up to 100 m with a Cat 6A cable*. (Product recommendation: 2L-29330)

4 X USB Type-A Ports for Plug-n-Play Peripheral Connections

Enhance the resourcefulness of the extender by tapping into its 4 USB type-A ports and have a wide range of peripherals at your disposal.



PoC Power Supply for Ultimate Usability Convenience

Either the local or remote unit could be plugged into a power source, powered by just a Cat 6A connection cable.

Easily Mountable for Versatile Deployment

For added ease of installation and expansion, a mounting kit is provided as a resourceful accessory to facilitate easy and convenient installation.

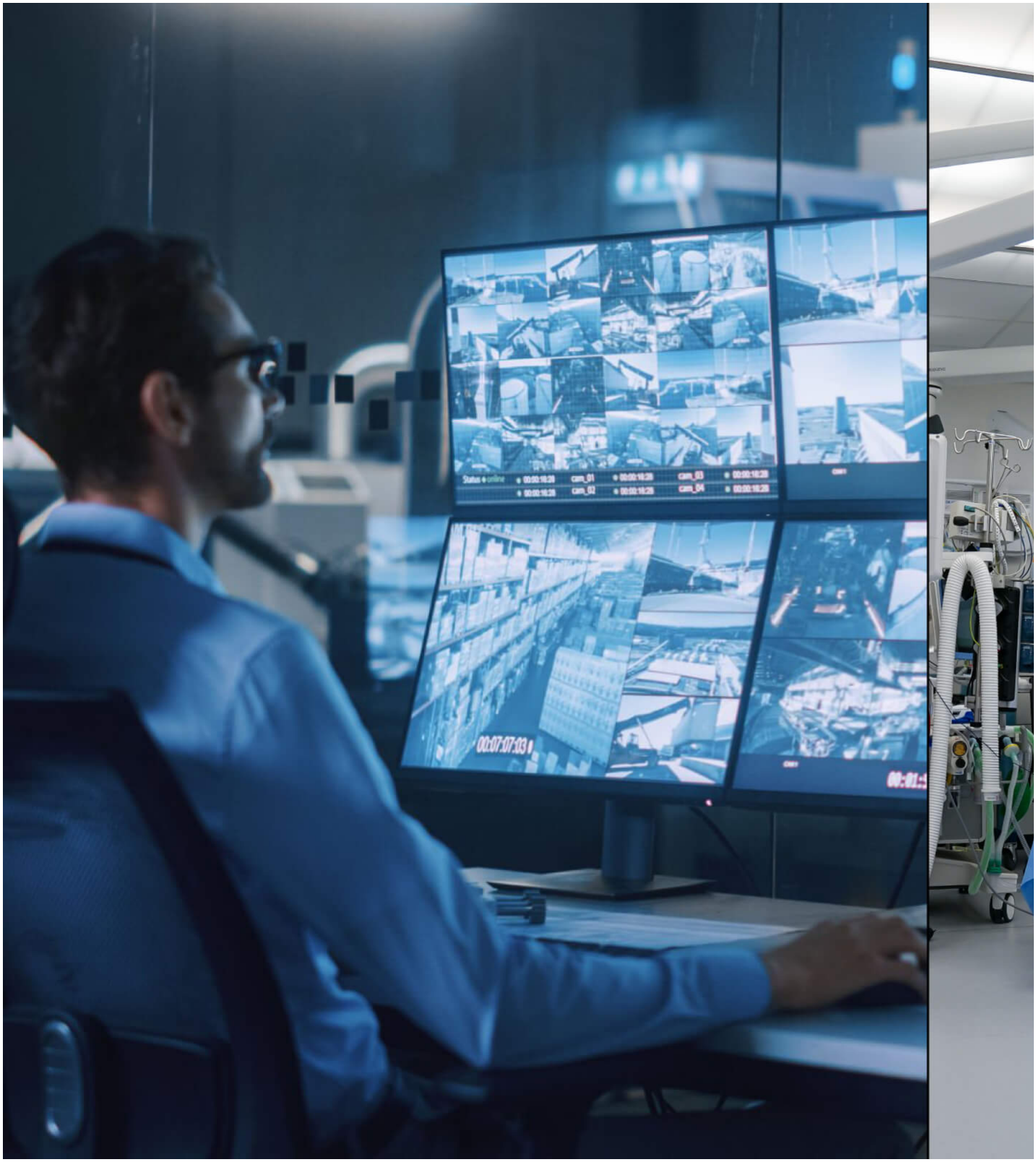
Applications

The additional length afforded by the extender (up to 100 m) means it can be a worthwhile versatile addition to the various spacious applications below:

1.
2.
3.
4.

Conference/Education

Simply Better Connections



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Features

The UCE33100 is a two-piece extension kit that transmits uncompressed USB 3.2 data at up to 5Gbps over a 100 m 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.

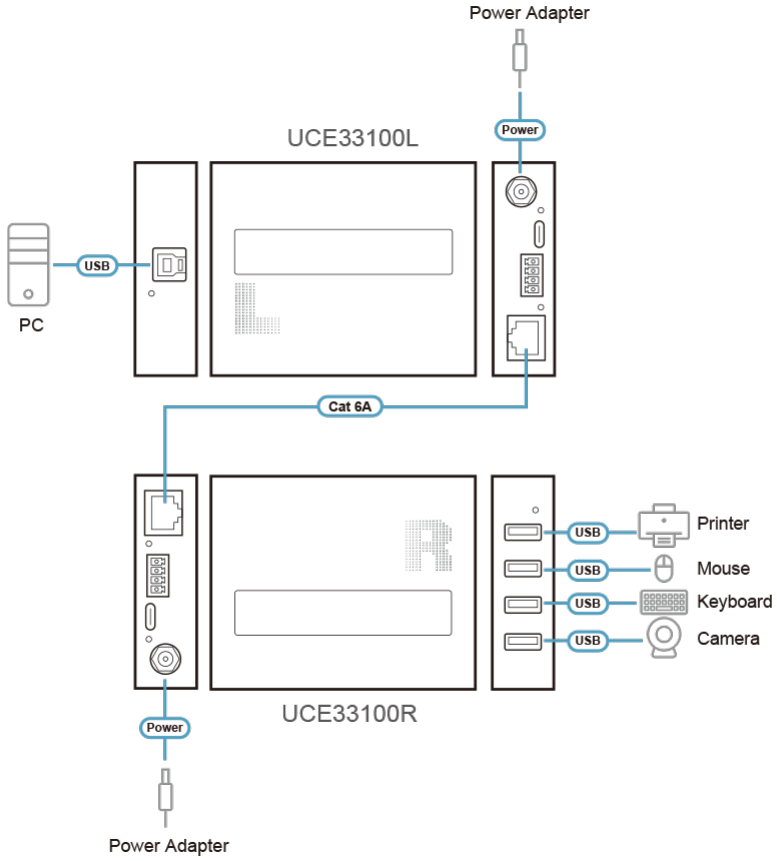
The UCE33100 supports plug-and-play operation to work flawlessly with all operating systems, assuring hassle-free installation with no extra driver or software required. Flexibility is further enhanced due to the extender's compact, wall-mountable enclosure, which also helps save space.

- 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

Local Unit	
Upstream Port	1 x USB Type B Female
Downstream Port	1 x RJ45 Female, HDBT-USB3 1 x USB Type 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 RJ45 Female, HDBT-USB3
Downstream Port	4 x USB Type A Female 1 x USB Type 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	USB3.2 Gen1
Cable Type	Cat 6A Ethernet Cable
Signal Range	100m
LEDs	
Status	3 x LED
Power Consumption	DC24V:1.92WBTU/h DC24V:2.64WBTU/h Note: ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.
Environmental	
Operating Temperature	0°C to 40°C
Storage Temperature	-20°C to 60°C
Humidity	20–90% RH, Non-condensing
Physical Properties	
Weight	0.26 kg (0.57 lb)
Housing	Metal Enclosure
Dimensions (L x W x H)	10.75 x 8.50 x 2.55 cm (4.23 x 3.35 x 1 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



ATEN International Co., Ltd.
3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan
Phone: 886-2-8692-6789 Fax: 886-2-8692-6767
www.aten.com E-mail: marketing@aten.com

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