ATEN
Simply Better Connections®

Retail

A Market-Leading Fast Food Restaurant Chain Uses ATEN Extenders to Improve the Reliability of Their POS System

Challenges

When the durability and reliability of a leading fast food restaurant chain's POS system became a concern, they looked to ATEN for a solution. The main challenge the restaurant chain faced was a distance constraint which meant limited location options for their devices. Heat exposure from surrounding industrial equipment was also an issue, potentially reducing the lifespan of their POS system and affecting their day-to-day operations.

Solution Benefits

- **Improved Reliability** – The devices connected to the various POS systems are now in an environment that will not cause them to fail, eliminating unnecessary equipment replacement. Moving the devices to a centralized location away from the high-heat industrial equipment also allowed better access for staff to maintain the POS systems, improving the communication between the equipment at the front and back of the restaurant.
- **Future System Expansion** - Additional devices and technology can be easily incorporated since the 4-Port Cat 5e/6 USB 2.0 Extender can handle up to 4 USB enabled devices located at the front counter and can have a cable run up to 330 ft.

- **Quick, Easy Deployment** – The product was able to leverage the restaurant's existing Cat 5e/6 connectivity infrastructure, without the need to hire contract installers to run new cables for the solution.

With the 4-Port Cat 5e/6 USB 2.0 Extenders integrated successfully into each restaurant location, the fast food chain was able to increase their connectivity distance from 15 feet up to 330 feet. In addition, they were able to extend the life of some of their equipment, reducing replacement costs of the failed equipment and lowering the overall cost of their solution.
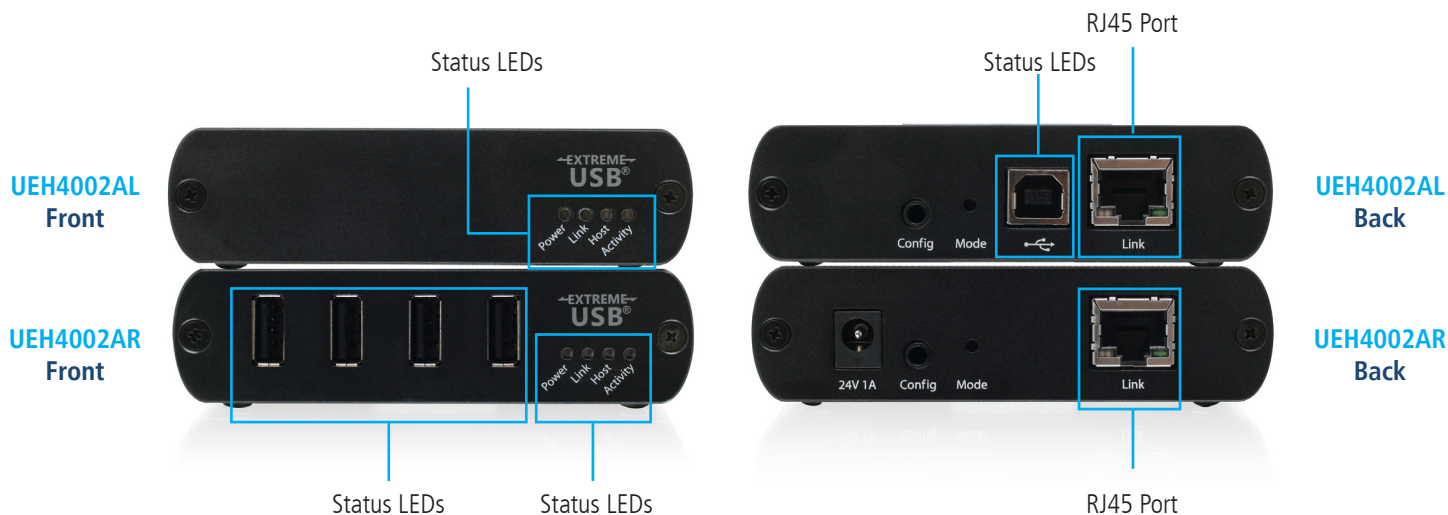
Products

UEH4002A
4-Port Cat 5e/6 USB 2.0 Extender

- Long reach USB 2.0 powered by ExtremeUSB® technology
- Extends USB 2.0 high-speed and USB 1.1 (low-speed, full speed) devices up to 330 ft. over Cat 5e/6 cable
- Operates with USB 2.0 high-speed host controllers and USB 1.1 classic hosts
- Supports all USB device types: Control, Interrupt, Bulk and Isochronous at up to 480Mbps
- True plug and play, ready to operate right out of the box; No new driver installation required
- Integrated hub provides four remote USB 2.0 ports. Number of devices can be increased using additional USB hubs

UEH4002AL Front

Status LEDs

EXTREME USB®

Power Link Host Activity

UEH4002AR Front

EXTREME USB®

Power Link Host Activity

Status LEDs   Status LEDs

Status LEDs   RJ45 Port

UEH4002AL Back

Config Mode ←→ Link

UEH4002AR Back

24V 1A Config Mode Link

RJ45 Port

Related Products or Solutions

UEH4102
4-Port USB 2.0 Cat 5 Extender over LAN

UCE3250
4-Port USB 2.0 CAT 5 Extender (up to 50m)

UCE260
USB 2.0 Cat 5 Extender (60m)

UE3310
USB 3.1 Gen1 Extender (10m)

Connection Diagram

Cat 5e/6 Cable (up to 330ft)

UEH4002L

UEH4002R

Electronic Equipment Room

Front Counter Register

Cat 5e/6 Cable
USB Cable

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Passion for Excellence