

Fast Food Restaurant Chain Integrates ATEN USB Extender from a Thin Client to POS Systems at a Front Counter, Improving the Distance and Reliability of the Equipment



Overview: A Market Leading Fast Food Chain

When the durability and reliability of a leading fast food restaurant chain's POS systems became a concern, they looked to ATEN for a solution. The main challenge the restaurant chain faced was that their POS systems with input devices connected to a thin client via USB cabling which supports a maximum distance of 15 feet. With the distance constraint, the restaurant chain had limited location options to setup their centralized thin clients which forced them to place it near other fast food industrial equipment. Because of the high levels of heat emitting from the surrounding industrial equipment, the average lifespan for the thin clients was 6 to 8 months, potentially impacting the day-to-day operations.

To correct this problem, ATEN assisted the restaurant chain with the deployment of ATEN 4-Port Cat 5e/6 USB 2.0 Extender solutions in all of their locations, aiding them to increase their distance from 15 feet up to 330 feet by using Cat 5e/6 technology. With the increase in the connectivity distance, ATEN was able to enable the restaurant chain to relocate their POS systems to the back of the store or in a separate room to help prevent exposure to the heat. This significantly improved the reliability of the thin clients that communicated with their POS systems located at the front of the restaurant.

With the ATEN 4-Port Cat 5e/6 USB 2.0 Extender integrated successfully into each restaurant location, the fast food chain was able to extend the life of their thin clients, and eliminate the replacement costs of the failed equipment, ultimately saving money.

ATEN Solution

UEH4002
4-Port Cat 5e/6 USB 2.0 Extender

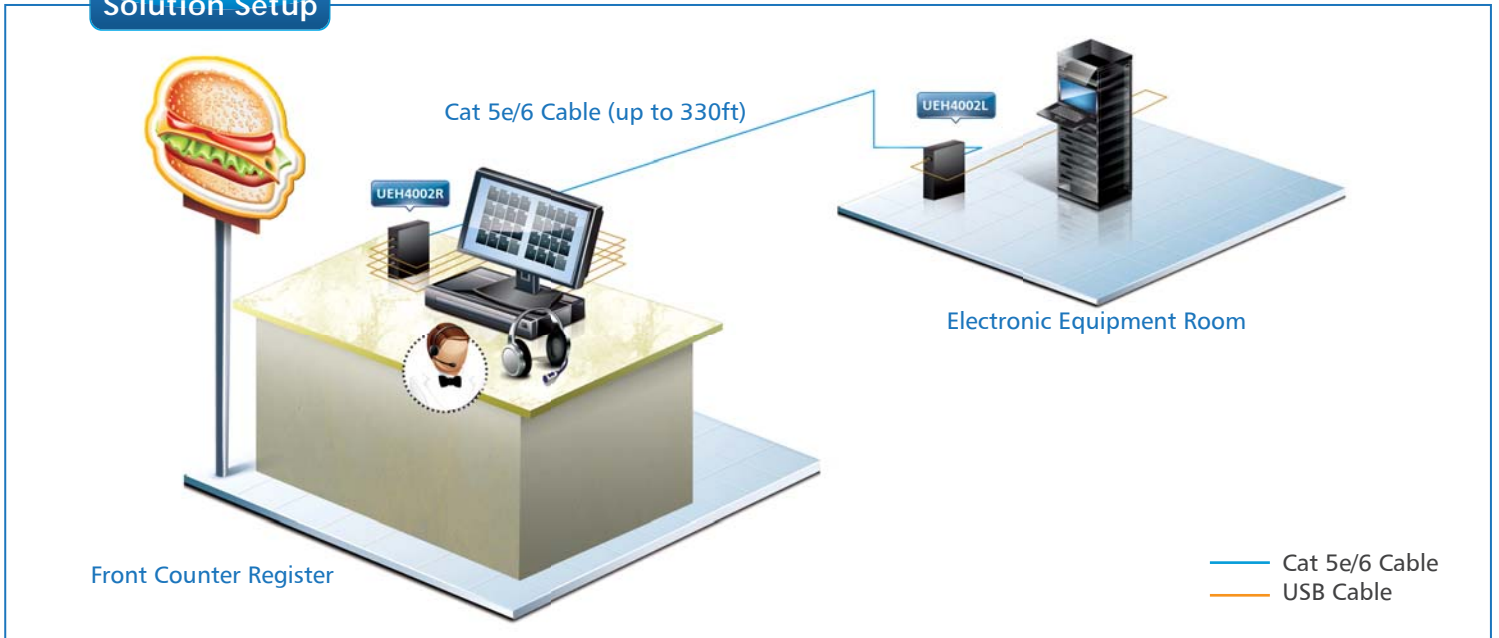


- Extends the distance between the Front Counter Registers to the Server Room
- Uses Cat 5e/6 cable to archive long distance transmission (up to 330ft)
- Long reach USB 2.0 powered by ExtremeUSB® technology
- Supports all USB device types: Control, Interrupt, Bulk and Isochronous at up to 480Mbps

Benefits

- The thin client connected to the various POS systems is now in an environment that will not cause it to fail, but rather increase the reliability and at the same time save money on unnecessary equipment replacement.
- Moving the thin client system to a centralized location and away from high-heat industrial equipment offers a better environment to access and maintain the connected POS systems.
- Additional devices and technology can be easily incorporated because the 4-Port Cat 5e/6 USB 2.0 Extender can handle up to 4 USB enable devices located at the front counter and can have a cable run up to 330ft.
- The product was able to leverage the restaurant's existing Cat 5e/6 connectivity infrastructure, allowing for quick and easy deployment without the need to hire contract installers to run new cables for the solution.

Solution Setup



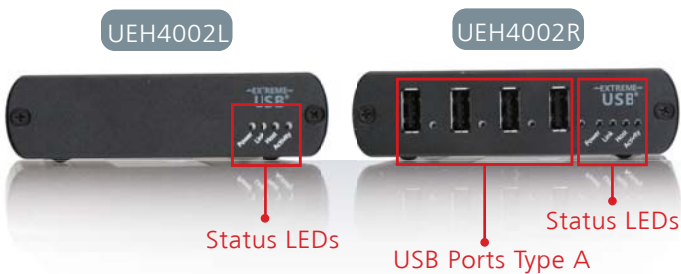
Features

UEH4002 - 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 330ft 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

Front View



Rear View

