UC485

USB to RS-422/485 Adapter (1.2 m)

The ATEN UC485 is a high quality industrial adapter designed to instantly add an RS-422/485 port to your PC or laptop via a USB port. The adapter is powered via the USB connection without needing an external power supply.

The UC485 adapter lets you use a single USB connection to create plug-and-play serial transfers without additional cables or complicated device installations. It lets you connect any RS-485 or RS-422 device to your computer's USB port, without experiencing computer lock-ups, I/O or driver problems. It is the ideal solution for connecting industrial devices such as laboratory machines, measuring equipment, automated systems, monitoring devices, and many more – where mission-critical applications are required.

NOTICE

If your Linux kernel is between v2.6.15 ~ v5.4 and your device has a new chipset version, please update the Linux driver
Note: This driver works with 2021 or later chipset version device only.
Use the link below to identify which chipset version your device is
https://eservice.aten.com/eServiceCx/Common/FAQ/view.do?id=18695

Product Comparison
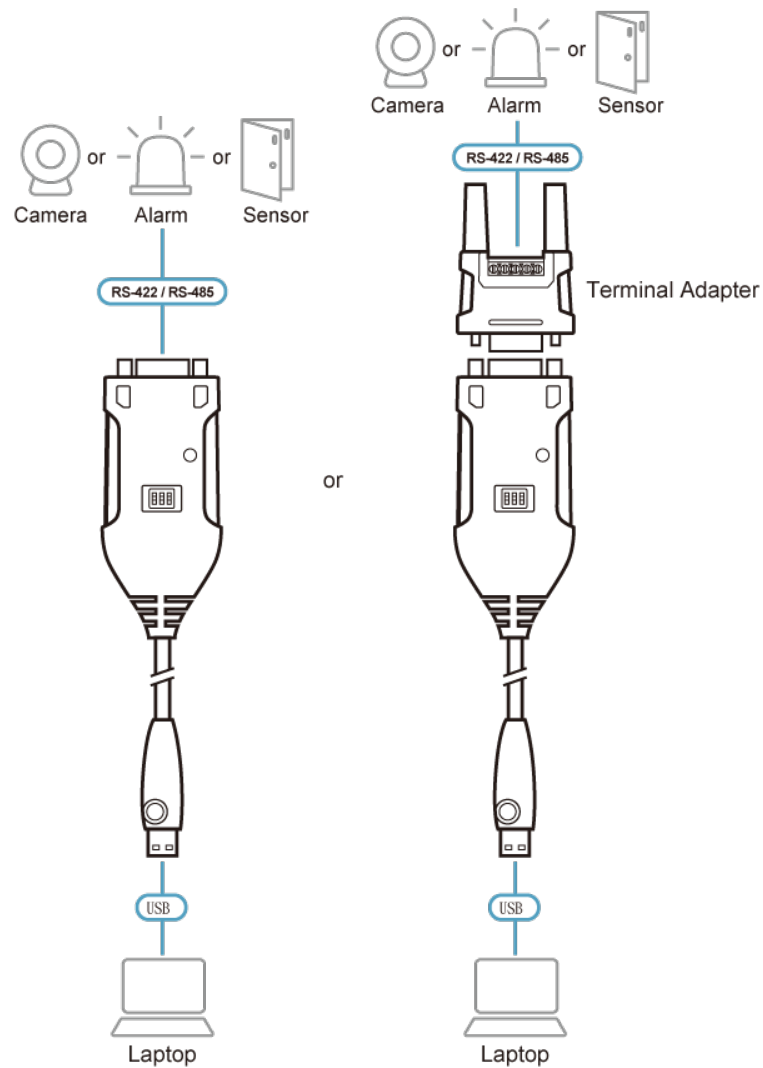
USB 2.0

RS-422/RS-485 Functionality

Bus-Powered

Features

- Converts a USB port to a Legacy RS-422 or RS-485 COM port
- Fast COM Port Transmission – up to 921.6 Kbps
- Package included DB-9 female to terminal block adapter for easy wiring
- Supports Terminal / ECHO mode by mode selector
- Supports Windows Vista / 7 and above, Mac and Linux
- Plug-and-Play – no power supply needed

Specifications

Connectors	
USB Port	1 x USB Type A Male (White)
Serial	1 x DB-9 Male (Silver)
Data Rate	Up to 921.6Kbps
Cable Length	1.2m
LEDs	Power Status / RS-422 (Orange), RS-485(Green)
Power Mode	Bus Powered
USB Specification	USB compliant
Environmental	
Operating Temperature	0–40˚C
Storage Temperature	-20–60˚C
Humidity	0–80% RH, Non-condensing
Physical Properties	
Housing	Plastic
Weight	0.09 kg (0.2 lb)
Dimensions (L x W x H)	9.53 x 4.10 x 2.20 cm (3.75 x 1.61 x 0.87 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram

Camera or Alarm or Sensor

RS-422 / RS-485

Terminal Adapter

or

USB

Laptop