

USB IEEE 1394 Connectivity Series

ATEN offers a range of USB connectivity solutions to suit a wide variety of users and their applications. Our USB 2.0 products give you the freedom to connect high-speed devices like external storage drives, DVDs, digital cameras, scanners and more.

IEEE 1394, known as FireWire to Apple users and iLink on Sony PCs and most DV cams, opens up a whole new world of applications. It enables you to connect hundreds of 1394-enabled devices like home entertainment and video equipment, external HDD, desktop cameras, digital music players and game platforms.

- **USB / FireWire Hubs**

ATEN offers 2/4 port compact USB 2.0 hubs and 3/6 port FireWire hubs for desktop and laptop computers. They are ideal for users who need to connect multiple devices like keyboards, mice, printers, scanners, PDA and flash drives.

- **Host Controller Card**

ATEN USB PCI Cards and the IEEE 1394a PCI Card are innovative implementations of the USB Hub/FireWire Hub principle. Instead of taking up valuable desktop space, the cards plug into a PCI slot on the computer's motherboard.

- **USB Extender Cables**

USB extender cables allow you to extend the distance between your computer and USB peripheral devices by several meters. These cables correct and transmit the signals as necessary to ensure optimal signal integrity.

- **USB Converters**

ATEN USB-to-serial and USB-to-parallel converters aid in the transition to USB by allowing devices with traditional interfaces to communicate over USB interfaces. These converters help extend the useful life of your peripheral devices and thereby protect your investment.

- **USB Peripheral Switches**

ATEN USB peripheral switches allow 2 to 4 computers to share the use of a single USB 1.1 or 2.0 peripheral device on a one-at-a-time basis.



USB / IEEE 1394



UH275 4-Port USB 2.0 Hub

- Provides 4 additional USB 2.0 ports to existing USB Systems
- Four independent, fully functional, 480 Mbps downstream ports
- Fully compliant with the USB 2.0 specification
- Backward compatible with USB 1.1
- Supports transfer rates of 1.5 / 12 / 480 Mbps
- Per port overcurrent protection
- Compact design, easy to store anywhere
- Plug and Play



UH284 4-Port USB 2.0 Magnetic Hub

Magnet Pad Built-in for Quick Mounting

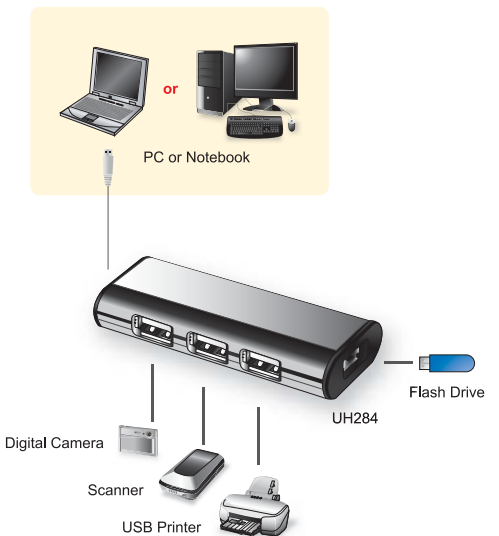
- Provides 4 additional USB 2.0 ports to existing USB Systems
- Four independent, fully functional, 480 Mbps downstream ports
- Fully compliant with the USB 2.0 specification
- Backward compatible with USB 1.1
- Supports transfer rates of 1.5 / 12 / 480 Mbps
- Per port overcurrent protection
- Compact design, easy to store anywhere
- Built-in Magnet Pad for quick mount and easy movement
- Plug and Play
- Available in silver, black, and burgundy



FH300 / FH600 3/6-Port FireWire Hub

- 3/6 IEEE 1394 ports for the convenient adding and removing of devices
- IEEE 1394, IEEE 1394a compliant.
- 100, 200, 400 Mbps data transfer rate; automatically uses the highest speed the peripheral supports
- Supports hot plugging
- 6-pin IEEE 1394 I/O connectors
- DC input terminal for optional external power supply

Setup (UH284)



Accessories



1. Power Adapters: DC5V x 1 (UH275)(Optional); DC9V x 1 (FH600)
2. USB 2.0 Cable x 1 (UH284)
3. IEEE 1394 Cable x 1 (FH300/FH600)

OS Support	NEW OS Support
Win, Mac, FreeBSD	Vista



OS Support	NEW OS Support
Win, Mac, FreeBSD	Vista



OS Support	NEW OS Support
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FH600

USB / IEEE 1394



IC250U
5-Port USB 2.0 PCI Card

- 5-port USB 2.0 PCI card
- Fully compliant with the USB 2.0 specification
- Supports transfer rates of up to 480 Mbps
- Compatible with PC systems
- Hot swappable



UE250
USB 2.0 Extender Cable

- Extends one USB device up to 5 m (16 ft)
- USB 2.0 compliant
- Fully compliant with USB Electrical and Timing Specs for USB Hubs
- Multiplatform support – Windows, Mac
- USB IF Approved
- Non-powered



UCE60
USB Extender

Extend the Distance between USB Devices via Cat 5e Cable to up to 60 m

- Extends the transmission distance of a USB device up to 60 m using Cat 5e / Cat 6 cabling
- Provides support for any full-speed (12Mb/s) or low-speed (1.5Mb/s) USB devices
- Embedded USB Transceivers prevent signal loss
- Lowest cost solution for extending USB signals
- No additional installation software required
- LED indicates when additional external power supply needed





UC1284B USB Parallel Printer Cable

- Fully bidirectional to ensure compatibility with today's latest printers
- 1 USB Type A connector for standard USB cable connection
- 1 C-36 parallel connector
- Non-powered
- Max. Throughput: 1.2 Mb/s/Sec (ECP Mode)

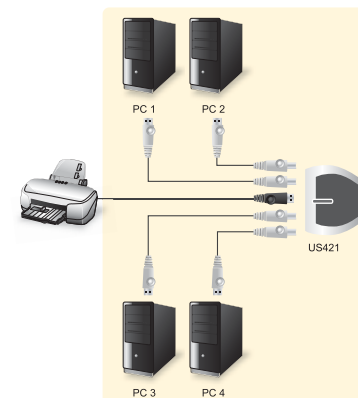


US221 / US421 2/4-Port USB 2.0 Peripheral Switch

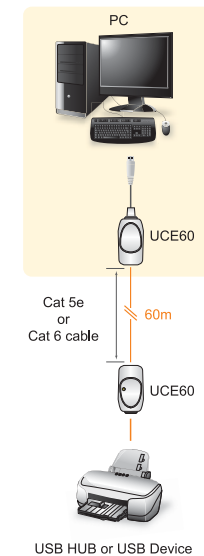
- Enables two (US221) or four (US421) computers to share a single USB peripheral device
- Simple port selection via front panel pushbuttons, hotkeys, and Windows AP*
- USB 2.0 compliant
- Supports transfer rates of 1.5/12/480 Mbps
- Overcurrent protection
- Non-powered
- LED indicators display port focus
- Beep indicates PC change and busy status
- Hot pluggable – USB devices can be attached and removed without resetting the system

*Hotkeys and AP program only operate on the Windows OS, Mac users must use the pushbutton to switch ports

Setup (US421)



Setup (UCE60)



Accessories



1. USB Cable x 1 (US221/US421)
2. Software CD x 1 (US221/US421)

OS Support	NEW OS Support
Win	Vista

OS Support	NEW OS Support
Win, Mac FreeBSD	Vista
Non-Powered	

USB / IEEE 1394



UC232A USB-to-Serial Converter

- Supports the RS232 Serial interface
- Compliant with USB 1.1
- Up to 230 Kbps data transfer rate
- Works with cellular phones, PDAs, digital cameras, modems, and ISDN terminal adapters



UC2322 / UC2324 2/4-Port USB-to-Serial Hub

Connect Serial Devices via USB

- Easy way to add 2 or 4 RS-232 serial ports
- Fully compliant with USB 1.1; USB 2.0 compatible
- Supports RS-232 serial interface
- Supports automatic handshake mode
- Up to 115.2 Kbps data transfer rate for each serial port
- Dual data buffers for each upstream and downstream data transfer
- No IRQ, DMA, I/O address resources required
- Supports hot-swapping and plug-and-play
- Built-in 16KV ESD protection
- Supports both bus power and external power
- Works with cellular phones, PDAs, digital cameras, modems and ISDN terminal adapters



OS Support	NEW OS Support
Win, Linux, Mac	Vista



UC4852 / UC4854 2/4-Port USB-to-Serial Hub

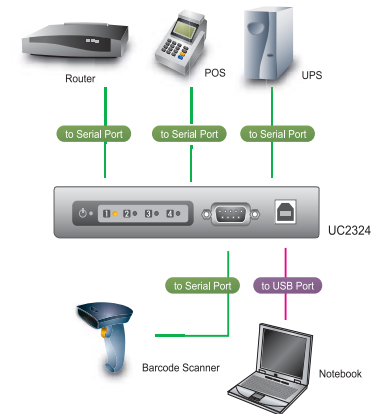
Connect Serial Devices via USB

- Easy way to add 2 or 4 RS-485 serial ports
- Fully compliant with USB 1.1; USB 2.0 compatible
- Supports RS-422/RS-485 serial interface
- Each port can independently switch between RS-422 and RS-485
- Supports automatic handshake mode
- Up to 115.2 Kbps data transfer rate for each serial port
- Dual data buffers for each upstream and downstream data transfer
- No IRQ, DMA, I/O address resources required
- Supports hot-swapping and plug-and-play
- Built-in 16KV ESD protection
- Supports both bus power and external power
- Works with cellular phones, PDAs, digital cameras, modems and ISDN terminal adapters



OS Support	NEW OS Support
Win, Linux	Vista

Setup (UC2324)



Accessories



1. USB Cable x 1 (UC2322/UC2324, UC4852/UC4854)
2. Software CD x 1 (UC2322/UC2324, UC4852/UC4854)

At a Glance

USB / FireWire Hubs

Model No.		UH275	UH284	FH300	FH600
Type		USB	USB	FireWire	FireWire
Port		4	4	3	6
Connector	Upstream	1 x USB Type A	1 x USB Mini Type B	3 x 6-pin IEEE 1394 Std.	6 x 6-pin IEEE 1394 Std.
	Downstream	4 x USB Type A			
Standard		USB 2.0	USB 2.0	IEEE 1394a	IEEE 1394a
Data Transfer Rate		1.5/12/480 Mbps	1.5/12/480 Mbps	100/200/400 Mbps	100/200/400 Mbps
Plug-n-play		•	•	•	•
Compact Design		•	•	•	•
Power Mode		Bus/Self	Bus/Self	Bus/Self	Bus/Self
Color		Silver	Silver, black, burgundy	Black	Black
Magnet Pad Built-in			•		
Cable Included		• (Built-in)	•	•	•
Power Consumption				DC9V, 0.15W	
Environment	Operating Temp.	5–40°C			
	Storage Temp.	-20–60°C			
	Humidity	0–80% RH, Non-condensing			
Physical Properties	Housing	Plastic			
	Weight	40 g	31 g	55 g	0.11 kg
	Dimension (L x W x H)	9.00 x 3.80 x 1.20 cm	8.20 x 3.20 x 1.40 cm	7.76 x 7.02 x 3.12 cm	9.22 x 9.14 x 3.33 cm

USB Extender / USB Extender Cables

Model No.		UE250	UCE60
Standard		USB2.0	USB1.1
Data Transfer Rate		Up to 480 Mbps	1.5/12 Mbps
Units		1	2 (Local/Remote)
Connector	Computer	USB Type A Male	USB Type A Male
	Device	USB Type A Female	USB Type A Female
	Unit to Unit	RJ-45	
Extension Cable		USB Cable (Built-in)	Cat 5, Cat 5e, Cat 6 Cable
Signal Range		5 m	60 m
OS Support		Windows, Mac	Windows, Mac
Power Mode		Bus	Bus/Self
No software driver required		•	•
USB IF Approved		•	
Environment	Operating Temp.	5–40°C	0–40°C
	Storage Temp.	-20–60°C	-40–85°C
	Humidity	0–80% RH, Non-condensing	
Physical Properties	Weight	0.26 kg	0.14 kg

Host Controller Card

Model No.	IC250U
Type	USB
PCI Card	•
Port	5
Standard	USB 2.0
Connector	5 x USB Type A
Data Transfer Rate	Up to 480Mbps
Protection	IC Switching
Hot Swappable	•
OS Support	Win, FreeBSD

USB Converters

Model No.		UC1284B	UC232A	UC2322 / UC2324	UC4852 / UC4854
Name		USB Parallel Printer Cable	USB-to-Serial Converter	USB-to-Serial RS-232 Hub	USB-to-Serial RS-485 Hub
Connector 1		USB Type A	USB Type A	USB Type B	USB Type B
Connector 2		1 x C-36	1 x DB-9	2/4 x DB-9	2/4 x DB-9
Standard		USB 1.1	USB 1.1	USB 1.1/2.0	USB 1.1/2.0
Data Transfer Rate		1.2 Mbts/Sec	Up to 230 Kbps	115.2 kbps	115.2 kbps
OS Support		Win, Vista	Win, Vista, Mac, Linux	Win, Vista, Linux	Win, Vista, Linux
Cable Built In		1.8 m	35 cm	N/A	N/A
Power Mode		Bus	Bus	Bus/Self	
Environment	Operation Temp.	5–40°C	5–40°C	0–50°C	
	Storage Temp.	-20–60°C	-20–60°C	-20–60°C	
	Humidity	0–80% RH, Non-condensing			
Physical Properties	Housing	Plastic	Plastic	Metal	
	Weight	0.11 kg	60 g	0.30 kg / 0.32 kg	0.30 kg / 0.32 kg
	Dimensions (L x W x H)	5.30 x 4.30 x 1.95 cm	6.59 x 3.40 x 1.60 cm	12.50 x 8.15 x 2.50 cm	

Model No.		US221	US421
Computer Connections		2	4
USB Device Connections		1	1
Connector	Computer	USB Type B	USB Type B
	Device	USB Type A	USB Type A
Standard		USB 2.0	USB 2.0
Port Selection		Pushbutton, Hotkey, AP	Pushbutton, Hotkey, AP
Power Mode		Bus	Bus
OS Support		Win, Mac, FreeBSD, Vista	
Cable Included		• (1.8 m)	• (1.8 m)
Environment	Operation Temp.	5–40°C	
	Storage Temp.	-20–60°C	
	Humidity	0–80% RH, Non-condensing	
Physical Properties	Housing	Plastic	
	Weight	55 g	97 g
	Dimensions (L x W x H)	7.19 x 6.59 x 2.50 cm	10.20 x 7.55 x 2.30 cm