USB TECHNOLOGY
EXTENSION & CONVERSION

USB EXTENSION
OVERCOMING DISTANCE LIMITATIONS

USB 3.0 has excellent data transfer capabilities and can be used with a wide range of devices, but unfortunately its transmission distance is limited. Whether connecting to a printer, camera or mixer, the maximum 5m transmission distance defined by the USB specification is often a little too short in use.
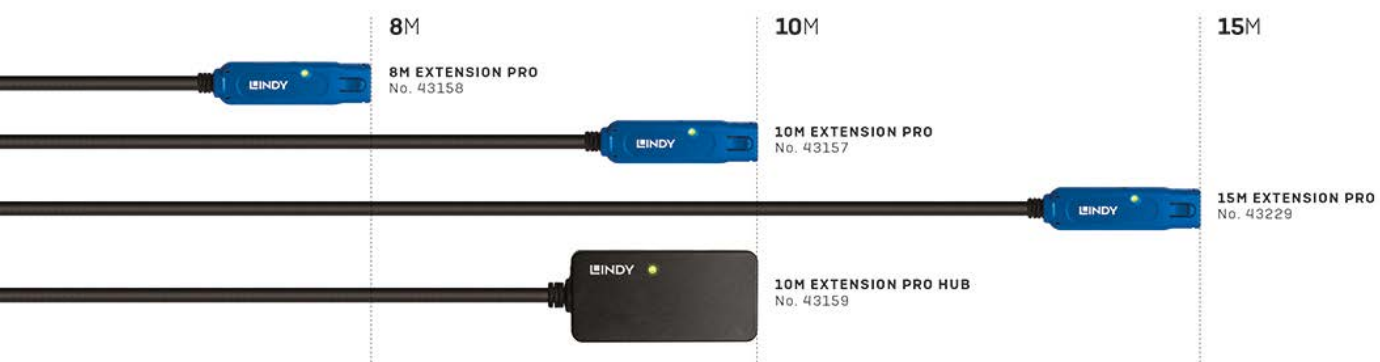
The Problem

Users want to extend USB signal distances significantly, and while this problem could be solved with one or more hubs each of these hubs must also be connected to a power supply in the form of a plug-in power supply unit, which in turn requires a power outlet. With several extension segments, this will quickly become very complicated and the wiring will be extremely unattractive and confusing.

The Solution

This is where the USB 3.0 active extension system from Lindy comes into play by bridging distances of up to 50m without issue. The system includes active extension cables in the lengths 8m, 10m and 15m and an active extension hub with 8m cable length. All these components can be used separately or connected together (as part of the whole extension system).

The 8m and 10m cable, and the 10m hub, feature a single active repeater module to boost the USB signal. The 15m cable uses two repeaters. A fully deployed extension system is limited to a maximum of 50m and 5 repeater modules. Any combination of cables and a single hub can be connected together as long as the 50m / 5 repeater limit is not exceeded. The extension hub must always be the last segment of the extension system.

8M
8M EXTENSION PRO
No. 43158

10M
10M EXTENSION PRO
No. 43157

15M
15M EXTENSION PRO
No. 43229

10M EXTENSION PRO HUB
No. 43159

LINDY
CONNECTION PERFECTION

8M USB 3.0 ACTIVE EXTENSION PRO
—

- High performance, active cable that provides an extended 8m connection between a computer and USB 3.0 device
- Can be used standalone or as part of the Lindy Active Extension System Pro to create bespoke extension systems of over 40m
- Supports the full USB 3.0 SuperSpeed bandwidth for speeds of 5Gbps

▶ **No. 43158**

10M USB 3.0 ACTIVE EXTENSION PRO
—

- High performance, active cable that provides an extended 10m connection between a computer and USB 3.0 device
- Can be used standalone or as part of the Lindy Active Extension System Pro to create bespoke extension systems of over 40m
- Supports the full USB 3.0 SuperSpeed bandwidth for speeds of 5Gbps

▶ **No. 43157**

15M USB 3.0 ACTIVE EXTENSION PRO
—

- High performance, active cable that provides an extended 15m connection between a computer and USB 3.0 device
- Can be used standalone or as part of the Lindy Active Extension System Pro to create bespoke extension systems of over 40m
- Supports the full USB 3.0 SuperSpeed bandwidth for speeds of 5Gbps

▶ **No. 43229**

10M USB 3.0 ACTIVE EXTENSION PRO HUB
—

- High performance hub with active cable that provides an extended 10m connection between a computer and up to 4 USB 3.0 devices
- Can be used standalone or as part of the Lindy Active Extension System Pro to create bespoke extension systems of over 40m
- Supports the full USB 3.0 SuperSpeed bandwidth for speeds of 5Gbps

▶ **No. 43159**

5M USB 3.0 ACTIVE EXTENSION
—

- Uses built-in active electronics to extend the cable-length of a USB 3.0 device by an additional 5m
- Supports transfer rates up to 5Gbps
- For even greater distances simply connect 2 cables in series
- Plug & Play

▶ **No. 43155**

100M USB 2.0 CAT.5 EXTENDER
—

- Extends a single USB port up to 100m using Cat.5/5e/6 network cable (not included)
- Plug & Play installation, OS independent
- Perfect for use with USB 2.0 devices such as storage devices, printers, scanners, mice and keyboards*

▶ **No. 42674**

LINDY
CONNECTION PERFECTION

10M USB 3.0
ACTIVE EXTENSION CABLE
—

- Allows USB 3.0 Type A devices such as storage devices, webcams and other Type A equipped peripherals to be connected over an additional 10m to PCs, laptops and tablets
- Features a DC socket for connecting an external power supply (not included) when using USB peripherals which have higher power requirements
- Plug & Play

► **No. 43156**

15M USB 3.0
ACTIVE EXTENSION CABLE
—

- Allows USB 3.0 Type A devices such as storage devices, webcams and other Type A equipped peripherals to be over at longer distances to PCs, laptops and tablets
- Features a DC socket for connecting an external power supply (not included) when using USB peripherals which have higher power requirements
- Plug & Play

► **No. 43099**

5M USB 3.1 C/A
ACTIVE EXTENSION CABLE
—

- Uses built-in active electronics to extend the cable length of a USB Type C to A connection by an additional 5m whilst supporting data transfer rates of up to 5Gbps
- Ideal for repeatedly accessing hard to reach Type C input devices or connecting USB devices that can be used at a distance such as multi-interface USB hubs
- DC socket for connection of an optional external power supply

► **No. 43270**

5M USB 3.1 C/C
ACTIVE EXTENSION CABLE
—

- Uses built-in active electronics to extend the cable length of a USB Type C connection by an additional 5m whilst supporting data transfer rates of up to 5Gbps
- Ideal for repeatedly accessing hard to reach Type C input devices or connecting USB devices that can be used at a distance such as multi-interface USB hubs
- DC socket for connection of an optional external power supply

► **No. 43271**

8M USB 2.0
ACTIVE EXTENSION PRO
—

- High performance, active cable that provides an extended 8m connection between a computer and USB 2.0 device
- Can be used standalone or as part of the Lindy Active Extension System Pro to create bespoke extension systems of up to 60m
- Supports USB 2.0 High Speed bandwidth for speeds of 480Mbps

► **No. 42780**

12M USB 2.0
ACTIVE EXTENSION PRO
—

- High performance, active cable that provides an extended 12m connection between a computer and USB 2.0 device
- Can be used standalone or as part of the Lindy Active Extension System Pro to create bespoke extension systems of up to 60m
- Supports USB 2.0 High Speed bandwidth for speeds of 480Mbps

► **No. 42782**

30M USB 2.0 ACTIVE EXTENSION PRO
—

- High performance, active cable that provides an extended 30m connection between a computer and USB 2.0 device
- Can be used standalone or as part of the Lindy Active Extension System Pro to create bespoke extension systems of up to 60m
- Supports USB 2.0 High Speed bandwidth for speeds of 480Mbps

► **No. 42923**

8M USB 2.0 ACTIVE EXTENSION PRO HUB
—

- High performance hub with active cable that provides an extended 8m connection between a computer and up to 4 USB 2.0 devices
- Can be used standalone or as part of the Lindy Active Extension System Pro to create bespoke extension systems of up to 60m
- Supports USB 2.0 High Speed bandwidth for speeds of 480Mbps

► **No. 42781**

12M USB 2.0 ACTIVE EXTENSION PRO HUB
—

- High performance hub with active cable that provides an extended 12m connection between a computer and up to 4 USB 2.0 devices
- Can be used standalone or as part of the Lindy Active Extension System Pro to create bespoke extension systems of up to 60m
- Supports USB 2.0 High Speed bandwidth for speeds of 480Mbps

► **No. 42783**

5M USB 2.0 ACTIVE EXTENSION SLIM CABLE
—

- Uses built-in active electronics to extend the cable length of a USB 2.0 device by an additional 5m
- Up to 5 extension cables can be chained together to achieve 25m distances
- The unique slim design allows active electronics to fit into a standard USB connector

► **No. 42817**

20M USB 2.0 ACTIVE EXTENSION CABLE
—

- Uses built-in active electronics to extend the cable length of a USB 2.0 device by an additional 20m
- Allows Type A devices such as storage devices, webcams and other Type A devices to be connected at longer distances to PCs, laptops and tablets
- Supports data transfer speeds up to 480mbps

► **No. 42631**

30M FIBRE OPTIC HYBRID USB TYPE C CABLE, AUDIO / VIDEO ONLY
—

- Combines copper and fibre optic cable for a hybrid, long distance USB Type C connectivity solution
- Supplied as a Type C Male to Male cable for Video & audio data only
- Supports resolutions up to 4K UHD 3840x2160@60Hz with additional support for HDR

► **No. 38505**

LINDY
CONNECTION PERFECTION

50M USB 2.0 CAT.5 EXTENDER
—

- Extend a USB 2.0 port up to 50m using low cost CAT5/5e/6 network cable (not included)
- Power over Cat.5/6 requires a single power supply to be connected to the transmitter only
- Supports USB 2.0 High Speed and USB 1.1 Full Speed / Low Speed

► **No. 42680**

10M USB 3.0 ACTIVE CABLE
—

- 10 metre USB 3.0 Active Repeater Cable
- Supports transfer rates up to 5Gbps
- Ideal for direct device connection

► **No. 43098**

10M USB 2.0 ACTIVE CABLE
—

- 10 metre USB 2.0 Active Repeater Cable
- Supports transfer rates up to 480Mbps
- Ideal for direct device connection

► **No. 42761**

15M USB 2.0 ACTIVE CABLE
—

- 15 metre USB 2.0 Active Repeater Cable
- Supports transfer rates up to 480Mbps
- Ideal for direct device connection

► **No. 42762**

60M 4 PORT USB 2.0 CAT.5 EXTENDER
—

- Extends the distance of 4 USB 2.0 peripherals by up to 60m
- Connect devices using standard Cat.5e/6 or higher network cables (not included)
- Supports USB 2.0 High Speed transfer rates up to 480Mbps

► **No. 42679**

LINDY
CONNECTION PERFECTION

USB CONVERSION
INTEGRATION MADE EASY

USB technology is, as its name indicates, a universal connection. However, many businesses and institutions still rely on older technology and complex systems that feature multiple different connection types alongside USB devices.
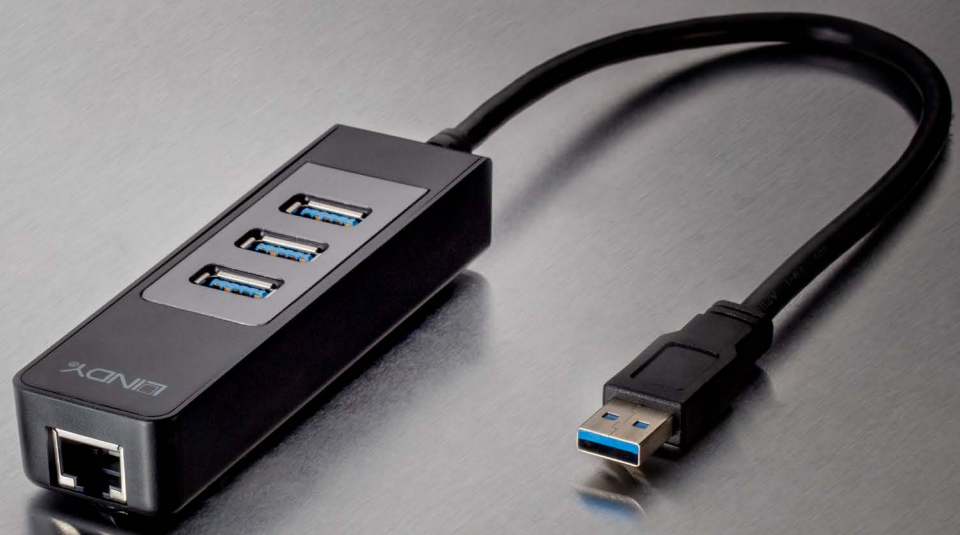
The Problem
USB technology can be added to older interfaces where legacy connections may be present. It may not make sense to replace these older connections as they are still fully operational or provide a neces-sary function within the system. Replacing these older connections or devices can result in a loss of functionality and high costs as parts are unneces-sarily replaced.

The Solution
This is where Lindy's range of USB Adapters & Converters come in. These converters can be used to connect everything from serial and audio to SATA and VGA. This allows users to add additional equipment in a cost-effective way without replacing an entire system at once. Lindy's range of USB C converters also provide a simple and neat way of connecting multiple display interfaces and USB peripherals to a laptop using a single USB Type C port. Perfect for creating hot desk installations or for remote working at home.

USB TO
SERIAL CONVERTER
—

- Connects to any standard serial device via USB Type A
- Bulit-in COM Port Retention feature allows COM port settings to be stored within the converter
- USB bus-powered with no external power supply required

► **No. 42686**

USB TO
2 PORT SERIAL CONVERTER
—

- Connects two standard serial devices via USB Type A
- Two 9 Way D Male to 1x USB A Male connector
- Plug & Play - USB bus-powered with no external power supply required

► **No. 42889**

USB TYPE A TO
AUDIO CONVERTER
—

- Add 3.5mm audio interfaces to your ultrabook, notebook or tablet
- Connect a 3.5mm stereo headphone or speaker
- Connect an external 3.5mm microphone

► **No. 42926**

USB TYPE C TO TRIPLE
DISPLAY CONVERTER
—

- Converts a USB 3.1 Type C port to an HDMI, DVI or VGA port
- Requires DisplayPort Alternate Support by the USB Port/Bus
- Supports resolutions up to 4096x2160@30Hz RGB (HDMI) / 1920x1200@60Hz (DVI) / 1920x1080@60Hz (VGA)

► **No. 43273**

USB 3.1 HUB &
ETHERNET CONVERTER
—

- Connects a USB 3.1 Type C computer to a Gigabit Ethernet network
- Provides three USB 3.1 Gen 1 / 3.0 Type A ports
- Supports 10/100/1000BASE-T, full and half duplex mode

► **No. 43249**

USB TO
4 PORT SERIAL CONVERTER
—

- Connects four standard serial devices via USB Type A
- With four flexible cabled 9 Way D Male RS232 connectors
- Plug & Play - USB bus-powered with no external power supply required

► **No. 42690**

LINDY
CONNECTION PERFECTION

USB TO
RS422 CONVERTER
—

- Connects to any serial RS422 device via USB Type A
- 9 Way D Male to USB A Male connectors
- Plug & Play - USB bus-powered with no external power supply required

► **No. 42844**

USB TO
PARALLEL 25WAY CONVERTER
—

- Connect a parallel printer to the computer´s USB port
- 25 Way D Female to USB A Male connectors
- "Plug & Play" - USB bus-powered with no external power supply required

► **No. 42882**

USB TYPE C TO
MULTI-AV CONVERTER
—

- Allows users to connect a DisplayPort, HDMI, DVI or VGA device to a USB Type C port
- Supports HDMI and DP resolutions up to 4K@60Hz, VGA and DVI up to 1920x1200@60Hz
- Requires DisplayPort Alternate support from the USB Port/Bus

► **No. 43279**

USB TO
RS485 CONVERTER
—

- Connects to any serial RS485 device via USB Type A
- 9 Way D Male to USB A Male connectors
- Plug & Play - USB bus-powered with no external power supply required

► **No. 42845**

USB 3.0 TO
VGA CONVERTER
—

- Easily connect an additional VGA monitor or projector to your PC's USB 3.0 port
- Requires an Intel i5/7 series 3rd Generation (or higher) processor
- Easy to install and bus-powered from USB 3.0 port

► **No. 43172**

USB TYPE C TO
AUDIO CONVERTER
—

- Add 3.5mm audio interfaces to your ultrabook, notebook or tablet
- Connect a 3.5mm stereo headphone or speaker
- Connect an external 3.5mm microphone

► **No. 42711**

LINDY
CONNECTION PERFECTION

USB 3.1 TYPE C TO HDMI CONVERTER WITH USB TYPE A PORT AND POWER DELIVERY

—

- Adds an HDMI port, a USB Type A port and a Type C power supply port to your computer
- Supports HDMI resolutions up to 4K 3840x2160 30Hz 8Bit RGB
- Supports USB 3.1 Gen 1 SuperSpeed 5Gbps data transfer rates

► **No. 43274**

USB 3.0 TO SATA CONVERTER

—

- Back up, restore and transfer data from a SATA HDD/ SSD
- Supports SATA up to 6Gbps
- USB 3.1 Gen 1 / USB 3.0 SuperSpeed standard with data rates up to 5Gbps

► **No. 42713**

USB TYPE C TO HDMI 4K60 CONVERTER

—

- Converts a USB Type C port to an HDMI port
- Supports HDMI resolutions up to 4K 3840x2160@60Hz 8bit RGB
- Requires DisplayPort Alternate Mode support by the USB Port/Bus

► **No. 43247**

USB TYPE C TO HDMI 4K60 CONVERTER WITH POWER DELIVERY

—

- Adds an HDMI port and a USB Type C power supply port to your computer
- Supports HDMI resolutions up to 4K 4096x2160@60Hz 8Bit RGB
- Requires DisplayPort Alternate Mode support by the USB 3.1 Port/Bus

► **No. 43272**

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