

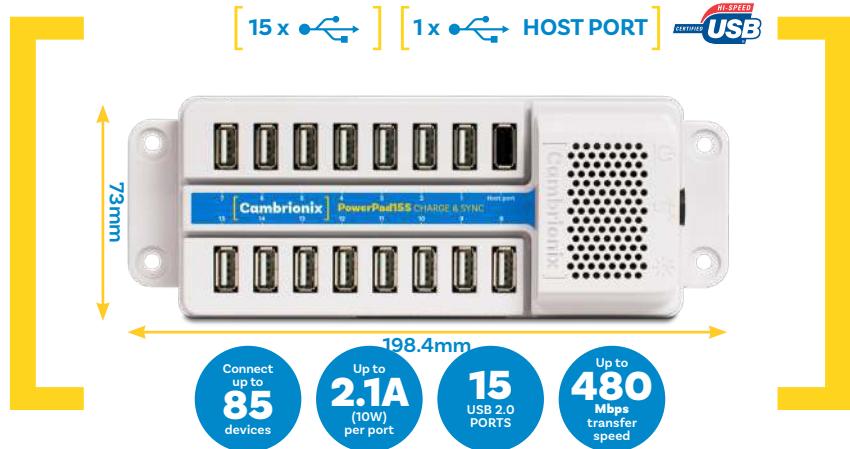
# [ POWERPAD15S ]

**Cambrionix**  
CHARGE • CONNECT • MANAGE

## 24/7 data transfer with USB 2

15 PORTS | USB 2 | USB 2 HOST PORT  
480MBPS | 2.1A (10W) PER PORT

MANAGED CHARGE & SYNC  
DESKTOP



### Ready to use.

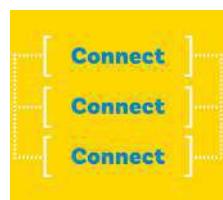
Built around USB 2.0, the PowerPad15S is designed for your desktop. Its space-saving design with a footprint delivers powerful performance, with super-speed connection for fast data transfer and efficient charging.



Not all hubs are created equal. Charge and transfer data at the same time with the managed USB hub that delivers high-speed charging and syncing. Or adjust settings to your own requirements.

### Fully charged.

15 ports all charging at up to 2.1A (10W) per port from one socket.



Scale to meet your needs. Connect six hubs and up to 85 devices from one host computer without being affected by the endpoint limitation.

### Safety built in

UL listed, ensuring the highest level of safety.



Understand. Evaluate. Three interfaces to manage and monitor what each device is doing exactly when and how you want to:  

- LiveViewer
- API
- Command Line Instructions



24/7/365 charging reliability. Charge and sync data continuously with this Hi-Speed USB 2 industrial managed USB hub.

15 x USB 2 ports;  
1 x USB 2 host computer connection



Future proof. Our intelligent charging algorithm can be updated to support new devices and charging protocols, ensuring your hub keeps up with market changes.

# Using the [ POWERPAD15S ]

## Charging without connecting to a host computer

When the hub is switched on (and not connected to a local host computer) it is automatically configured to charge devices using its intelligent charging algorithm. Once the devices are connected, the algorithm will detect the highest charge rate allowable for each attached device.

Once our automatic profiling has completed, charging at the optimum rate specified by the manufacturer (up to 2.1 Amps) will begin.

### Charging Profiles

There are a number of profiles built into our hubs. We do not recommend that users change the profile settings in NVRAM (or by other means) unless they are required to offer a 'fixed profile' to their device in order to prevent the device misbehaving. Contact us for more information about changing the profile settings on our USB hubs.

1. 2.1A (Apple)
2. BC1.2 Standard (This covers the majority of Android phones and other devices)
3. Samsung
4. 2.1A (Devices with longer timeout)
5. 1.0A

## Using when connected to a host computer

When a local (host) computer is attached, the host can control the operation of each individual port using our software. Device charging and synchronisation can be monitored through our own LiveViewer App or Application Programming Interface (API) software or via Command Line Interface (CLI).

### Charging

When connected to a local computer, the PowerPad15S defaults to Sync mode and charge currents are determined according to USB Implementers Forum (USB-IF) Hi-Speed USB2 specifications.

If the attached device complies with USB-IF Battery Charging specification BC1.2 and supports Charging Downstream Port (CDP), the PowerPad15S can provide high-speed charging at 1.5A. If the connected device does not comply with BC1.2, the charge current will be limited to 500mA in compliance with USB specifications.

### Data Transfer

To transfer data, install applications, restore or update attached mobile devices, a data connection to a local host computer is required. The PowerPad15S works independently to the Operating System (OS) and data transfer can be performed on all common operating systems, such as MacOS, Windows and Linux, with the software of your choice to transfer data or manage the devices.

In order to transfer data, connect host port to your local (host) computer using a Type-A to Type-A USB 3 compliant cable. Any devices connected to the PowerPad15S will now appear as if they were connected to the host computer's USB port. The PowerPad15S is fully compliant with Hi-Speed USB2.0 and supports data transfer at speeds up to 480Mbps. The red power LED may flicker when the PowerPad15S is syncing to indicate internal processor activity.

## Specifications

<b>Input Voltage:</b>	12Vdc	<b>Dimensions (approx.):</b>	198.4 long x 73 wide x 40 high mm
<b>Input Current:</b>	15A	<b>Approximate weight:</b>	1.6 kg including separate PSU
<b>Input Connection:</b>	4-pin DIN	<b>Supplied with:</b>	Country appropriate mains cable.
<b>Output Voltage:</b>	5.2V	<b>Accessories:</b>	Type-A to Type-A USB 2 cable
<b>Output Current:</b>	2.1A Max per Port		
<b>Output Power:</b>	10W Max per Port		
<b>Output Power (Total):</b>	163.8W Maximum		
<b>Input/Output Connectors:</b>	16 x USB Type-A, 1 x 4-pin DIN	<b>Power Supply</b>	
<b>Ambient Operating Temperature Range:</b>	0 ~ 35°C	<b>Input Voltage:</b>	100-250Vdc
<b>Relative humidity:</b>	5% to 95% non-condensing	<b>Input Current:</b>	2.5A @ 115 Vac
		<b>Input Frequency:</b>	50-60Hz
		<b>Input Connector:</b>	C14
		<b>Output Voltage:</b>	12Vdc
		<b>Output Current:</b>	15A
		<b>Output Power:</b>	180W
		<b>Output Connector:</b>	4-pin DIN

## Certifications

- Independently safety tested by the Underwriters Laboratory (UL) under file #E346549
- CE Tested and marked
- CB Certificate
- FCC Part 15 Tested and marked
- RoHS Compliant
- Japanese PSE certification and Indian BIS (pending)
- Complies with the latest EN60950 safety requirements for ITE
- Housed within a UL94-VO specification fire enclosure

