

cambri●nix

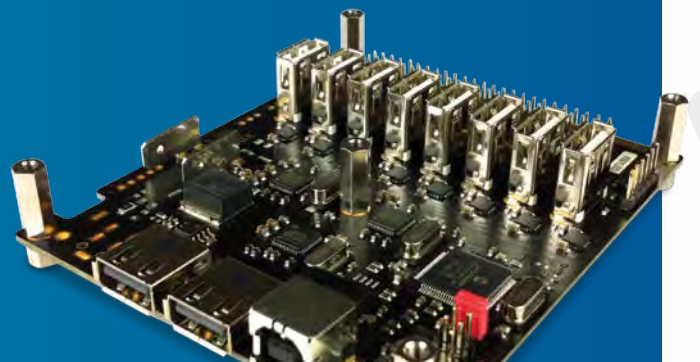
U8 Variants





BENEFITS

- **The right product for you**
Choose charge or charge and sync for up to 8 devices simultaneously...or expand up to 88 via the expansion ports!
- **One product for all**
The U8 variants are truly universal (with firmware updates), meaning that whatever USB devices become available in the future, they will be fully supported.
- **Lead the charge**
Charge and sync any USB chargeable device at the optimal rate, helping to extend the usable life of the device's battery and avoid any potential issues with incorrect charging procedures.
- **Stay in control**
Total control over individual port function allows for novel usage in, for example, charging kiosks, schools, restaurants etc.
- **Bring Your Own Device (BYOD)**
You can mix tablet devices, cellphones, MP3 players, 3D glasses etc on the ports. Everything still functions as normal!
- **Entry into a fast growing market**
Accelerate your time to market with a pre-certified U8 variant.
- **Expandability**
The U8 charge and sync variants can be daisy-chained to increase the number of syncing ports up to 88. This drastically reduces the time taken to sync large numbers of devices.
- **Safety**
All cambrionix products/components are CE Marked, UL Listed/Recognised (traceable at UL.com) and EMC tested. All products/components designed in the UK and manufactured at UL Audited facilities.





The U8 is available in multiple variants including the U8S (charge and sync), U8C (charge only), U8S EXT and U8C EXT which use an external, laptop-style power supply. All of the U8 products have 8 USB ports and 2 expansion ports.

Like the U16 and PP products, the U8 includes the terminal interface providing full monitoring and control via a host computer, it also allows the firmware to be updated for future-proofing.

The U8 is universal and will charge and sync (dependent on variant) all devices that can be charged through a USB connection from tablets and mobile phones to cameras, e-readers and 3D Glasses. By daisy chaining the U8's, the number of USB ports can be increased to 88.



OVERVIEW



Whether you are a Mac person or a PC person, the U8 is perfect for use in Schools, Libraries, Charging Kiosks, Hotels and Restaurants, Conference centres and Airline lounges... anywhere where customer services could be further enhanced by offering universal charging facilities.

If, for example, in a school, you are required to sync data to a large number of tablets, then the U8S enables you to do this quickly and efficiently. All that needs to be done is to plug them into the U8S and then use your preferred software (such as Apple Configurator for iPads) as normal. Furthermore, while the tablets are being synced, through the power of ChaSync, the tablets will also charge at the same time. This reduces the length of time that they would otherwise need to be plugged in to both sync them and charge them fully.

The future proof design ensures that even if you upgrade or buy additional devices in the future, you'll always be able to charge and sync them through the U8S (the latest firmware is always available through our updater).

The U8 can also be linked to an LCD display, or LEDs, to provide visual indication of individual port and battery status. Security can be enabled to trigger an audible or visual alarm should devices be unplugged from the U8.

For the Cart/Case manufactures, like all products from Cambrionix, the U8S component accelerates your time to market in all charge/sync developments. The Low-cost and high performance of the U8S will help you expand your product portfolio into these new and fast-growing markets.

The U8 unit can be easily customised for unique use with an option to re-brand the firmware updater application and LCD text. The options available allow you to use an off-the-shelf product, and at the same time, offer a product designed to meet the individual needs of your clients and customers.



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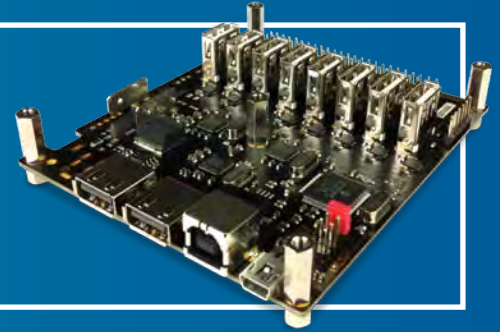
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PACKAGE CONTENTS

- U8 Component in specified variant
- Power Supply (optional)



BASICS	U8C	U8S	U8C EXT	U8S EXT
Product Code:	CBRX1064-C	CBRX1064-S	CBRX1064-EXT-C	CBRX1064-EXT-S
Functionality:	Charge Only	Charge & Sync	Charge Only	Charge & Sync
Number of Ports:	8 Ports	8 Ports	8 Ports	8 Ports
Power Supply (recommended):	Meanwell SP-100-5	Meanwell SP-100-5	FSP096-AHAN2	FSP096-AHAN2
Compatible Devices:	Universal and Future Proof*	Universal and Future Proof*	Universal and Future Proof*	Universal and Future Proof*
Current per Port:	2.1A	2.1A	2.1A	2.1A
Control Interface:	Terminal command interface, VCP 115,200 8N1 via Mini-USB connector.	Terminal command interface, VCP 115,200 8N1 via Mini-USB connector.	Terminal command interface, VCP 115,200 8N1 via Mini-USB connector.	Terminal command interface, VCP 115,200 8N1 via Mini-USB connector.
Charging Method:	Cambriox Very Intelligent Charging protocol**	Cambriox Very Intelligent Charging protocol**	Cambriox Very Intelligent Charging protocol**	Cambriox Very Intelligent Charging protocol**
Delivered as:	Component	Component	Component	Component

U8	U8C	U8S	U8C EXT	U8S EXT
Input Voltage:	5.2V	5.2V	12V	12V
Input Current:	20A	20A	8A	8A
Input Connector:	Spade terminals	Spade terminals	4-Pin Mini-DIN	4-Pin Mini-DIN
Output Voltage Per Port:	5.2V Max	5.2V Max	5.2V Max	5.2V Max
Output Current Per Port:	2.1A Max	2.1A Max	2.1A Max	2.1A Max
Output Power (Max):	90W	90W	90W	90W
Output Connectors:	USB-A Type receptacle	USB-A Type receptacle	USB-A Type receptacle	USB-A Type receptacle
Dimensions (mm):	104 x 90 x 15	104 x 90 x 15	104 x 90 x 15	104 x 90 x 15

POWER SUPPLY	U8C	U8S	U8C EXT	U8S EXT
Input Voltage:	85 ~ 264V AC	85 ~ 264V AC	85 ~ 264V AC	85 ~ 264V AC
Input Current:	3.5A~ 115V AC	3.5A~ 115V AC	3.5A~ 115V AC	3.5A~ 115V AC
Input Frequency:	47~ 63 Hz	47~ 63 Hz	47~ 63 Hz	47~ 63 Hz
Input Connector:	Screw Terminals	Screw Terminals	C14	C14
Output Voltage:	5.2V (adjusted)	5.2V (adjusted)	12V	12V
Output Current/Power:	20A / 100W	20A / 100W	8A / 96W	8A / 96W
Output Connectors:	Screw Terminals	Screw Terminals	4-Pin Mini-DIN	4-Pin Mini-DIN
Dimensions (approx, mm):	179 x 99 x 45	179 x 99 x 45	160 x 58 x 32	160 x 58 x 32

* This device is updateable via firmware upgrades to ensure compatibility with new devices that are released on to the market.

** This automatically adapts to different devices to ensure they are charged at the maximum rate possible.



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