

20-Port USB 2.0 Hi-Power Charging Hub

The 20-Port Charging hub is a solution for quick charging or sync up to 20 iPads, iPhones iPods and USB charging devices operating simultaneously; this is a perfect tool to effectively perform Sync/Charge Mode switching. Also is ideal for large capacity USB station in-house that enables charging and syncing at a time. Places such as school's classroom, businesses conference or meeting in organizations.

Features

- Compliant with USB Battery Charging Spec 1.2
- Enables to provide up to 1.5A at Sync (CDP mode) or 2.4A at Charge (DCP mode) output current on each port.
- Supports the iOS, Android devices.
- Enables Sync/Charge mode switching upon manually connecting or disconnecting host port.
- Intelligently detects the power current of each port by the sensing meter with firmware, and enables the port's LED to illuminate its corresponding color. (Charging in progress: red; Disconnected or Fully charged: green)
- Supports Over-Current Protection and $\pm 15\text{kV}$ (air), $\pm 8\text{kV}$ (contact) ESD protection on each port.
- Enables Green Energy function automatically shutdown the hub when all devices are fully charged at Charge mode.
- Supports 40A (5/50ns) & Peak Pulse Power 250 W (8/20 us) Surge and Transient spikes protection on each port.
- For the High-temp protection, if the unit's high temperature is over the setting, it would cut off all the output current immediately. At the mean time, the whole LEDs of the 20 ports would be green blinking.
- The rear fans spec: SUNON Vapo DC Fan; Life Expectancy: 60,000 hours
- Enables to start/cut off the fans automatically according to the temperatures setup. If the board's temperature is higher than the setting, it would start the fans automatically. On the contrary, if the board's temperature is lower from the setting, it would cut off the fans automatically as well.

Specification

Model No.	USB-2024BC	
Current per Port	SYNC Mode (CDP)	DC5V 1.5A
	Charge Mode (DCP)	DC5V 2.4A
Speed	480/12/1.5 Mbps	
USB Specification	USB 2.0/1.1/1.0 compliant	
Connector	Upstream	USB B Female
	Downstream	USB A Female x 20
	Cascade	USB A Female
Power Supply	DC12V 24A (288W)	
Green Energy Button	Green Energy button x 1	
LED	Charge Mode	Charging in progress: Red Color x 20
		Disconnected or Fully charged: Green Color x 20
	SYNC Mode	Orange Color x 20
Operating Temperature	0 ~ 40°C	
Housing	Metal	
Dimension (L x W x H)	268 x 102 x 40 mm	

