

20-Port USB 3.2 Gen1 PD (Power Delivery) Charging Hub

The 20-Port USB 3.2 Gen1 PD Charging Hub is a solution for quick charging or sync up to 20 USB 3.2 Gen1 devices. This is a perfect tool to effectively save energy and cool down the unit's heat. Also is ideal for large capacity USB station in-house that enables charging and syncing at a time; automatically recharging once the devices connected have consumed their power with remaining 90% (approximately) after fully charged. Places such as classroom in school, businesses conference or meeting in organizations.

Features

- Supports iOS, Android devices and MacBook Air, MacBook Pro or Chromebook.
- Supports USB PD 3.1 (PPS) / USB Battery Charging Spec 1.2 at Sync & Charge mode.
- Enables to deliver output current of each port up to 27W; supports 5V 3A / 9V 3A / 12V 2.25A / 15V 1.8A either at SYNC mode or Charge mode on each port.
- Supports USB PD 3.1 (PPS) 3.3 ~ 5.9V 3A / 3.3 ~ 11V 2.25A either at SYNC mode or Charge mode on each port.
- The hub will shutdown in 60 seconds at Green Energy function (the button is pressed ON) if it idles without devices connected. Manually turns on the power switch either at single unit or cascade connecting and start charging again.
- Extends up to optimum 40 USB 3.2 Gen1 devices by connecting cascade port with another unit.
- Enables Sync/Charge mode switching upon manually connecting or disconnecting host port.
- Enables Green Energy function automatically shutdown the hub in 5 seconds when all devices are fully charged at Charge mode.
- Supports OCP / SCP / OTP on each port; Enables the specific LED to display Red blinking, meanwhile, cuts off its output power of that port.
- Supports ±15kV (air), ±8kV (contact) ESD protection on each port.
- Supports 40A (5/50ns) & Peak Pulse Power 360W (8/20 us) Surge and Transient spikes protection on each port.
- 2 DC input ports enable to power on port 1~port 10 through DC INPUT 1, and port 11~port 20 through DC INPUT 2. (not allowable to plug in DC Input 2 individually)
- The rear fans spec: SUNON Vapo DC Fan; Life Expectancy: 60,000 hours
- Enables to start/cut off the fans automatically according to the temperature's 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 turn off the fans automatically as well.

Specification

Model No.	USB3-C20PD	
USB Specification	USB 3.2 Gen1 / 2.0 / 1.1 compliant	
Data Transfer Rate	1.5M / 12M / 480M / 5G bps	
Current per Port	5V 3A / 9V 3A / 12V 2.25A / 15V 1.8A max. (27W)	
Charging Specification	SYNC Mode	USB PD 3.1 (PPS) / USB Battery Charging Spec 1.2
	Charge Mode	
Connector	Host	USB Type C Female
	Downstream	USB Type C Female x 20
	Cascade	USB Type C Female
Power Supply	DC19V 15.75A (300W) x 2	
Green Energy	Button Switch	
LED	Sync Mode	Orange Color x 20
	Charge Mode	Charging in progress: Red Color x 20
		Disconnected or Fully charged: Green Color x 20
OCP, SCP, OTP	Red blinking x 20	
Environmental	Operating Temperature	0 ~ 40°C
	Storage Temperature	0 ~ 60°C

	Humidity	0-80% RH, Non-condensing
Cooling Fan		SUNON Vapo DC Fan x 2
Housing		Metal
Dimension (L x W x H)		268 x 102 x 40 mm

