



SIIG 04-1416C USB-C PD Charging Station with 5Gbps USB Hub User Manual

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SIIG 04-1416C USB-C PD Charging Station with 5Gbps USB Hub User Manual



Thank you for choosing SIIG for your connectivity needs in IT and AV products. Our products are engineered for optimal performance and reliability. To ensure the best experience and safety, please read the instructions thoroughly and keep this user guide for future reference. For more details about our product range, visit www.siig.com

If you require technical support, email us at support@siig.com For drivers or manuals, please visit www.siig.com/download

Important Safety Guidelines

ESD CAUTION

This device has been rigorously tested and certified to meet international safety standards. However, as with all electronic equipment, it should

be handled with care. To ensure your safety and to minimize the risk of damage, please follow these safety guidelines:

- Follow all instructions and warnings marked on this
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this
- Always unplug the power to the device before

Introduction

The industrial USB-C 5Gbps Hub & PD Charging Station – 600W, Adds 16 USB-C Charging Ports, 2-port 100W & 14-port Charging up to 30W; 14 Port USB Hub, Data Transfer up to 5Gbps, PD 2.0 & 3.0 for 5V/3A, 9V/3A and 12V/2.5A, Special slide switch design for Data/PD charging selection, Over Current, Over Voltage, Over Heating, Short Circuit, ESD Protection, Metal Housing, UL Certification

Package Contents

- Industrial USB-C 5Gbps Hub & PD Charging Station – 600W
- 2x USB-C to C cable
- 1x C13 US power cord
- 2x Mounting bracket

- 1x User Manual

Setup Requirements

- Power Source: Requires a 110V AC power supply
- Power Socket: Compatible with a US 3-pin Type-B power socket
- Device Compatibility: Supports charging & Data sync for USB-C devices such as MacBook Air/Pro, Chromebooks, Tablets, iPhone 15/16 Plus/Pro/Max and Smart Phones

Features

- Easily to charge up to 16 USB-C devices such as iPhone/iPad, Tablet, Smart Phone, Mobile device while support 2-port 100W & 14-port charging up to 30W
- Allow to use 14-port USB-C data port via one system or Dual system share the dual USB-C input port and then support data transfer up to 5Gbps and PD charging back to system up to 100W
- Support Power Delivery 0 & 3.0 for 5V/3A, 9V/3A and 12V/2.5A charging specification
- Industrial grade & built-in 24V/600W (Meanwell Brand) poweradapter with UL certification to keep the safe charges
- Special slide switch design for Data/PD charging selection, use the “Data” can let the iPhone 15/16, iPad Mini/Air/Pro USB-C devices charging and do the data sync simultaneously, switch to “PD” will support up to 30W charging
- Power Switch – Conserves energy when not in use, built-in LED provides easy recognition of power status
- Protection and Reliability for Over-voltage, input under voltage, output short circuit, output over current, system over temperature
- Enables to turn on/off the fans automatically according to the temperature setup
- Heat dissipating full durable metal housing rack mountable into a standard 19-inch rack
- Compatible with Apple iPhone 15/16 Plus/Pro/Max, Samsung Galaxy Note 8, S8, S8 plus and more, Tablets/ Laptop for Apple iPad Pro, iPad Air, iPad Mini, MacBook 12-inch, MacBook Air/Pro and more USB-C This is an excellent choice for USB-C products to be charged

Layout



No.	Connections	Descriptions
1	Slide Switch	Switch Data sync or PD Charging from Host 1 Part (1 to 7) or Host 2 Part (1 to 7)
2	Host 1 Part (1 to 7)	USB data connection with Host 1
3	Host 2 Part (1 to 7)	USB data connection with Host 2
4	USB-C Host 1 & Host 2	Connect to system which has USB-C port and expand USB data to Part 1 or Part 2

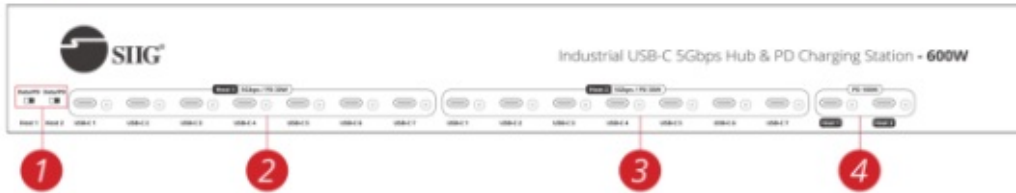
Slide Switch:

Switch to “Data” can let the iPhone 15/16 iPad Mini/Air/Pro USB-C devices charging and do the data sync simultaneously, switch to “PD” will support up to 30W charging

- Host 1 Part (USB-C 1 to 7) & Host 2 Part (USB-C 1 to 7):
- USB Speed 5Gbps
- LED indicators:
Red: device connected and charging ; Green: no device connected
- USB-C PD output power: 30W max. (each port) Supports 5V/3A, 9V/3A, 12V/2.5A, 15V/2A, 20V/1.5A PPS 3~11V, 20mV/step Voltage Output
- USB-C Host 1 & Host 2
- Connect to system which has USB-C port and expand USB data to Host 1 Part (USB-C 1 to 7) or Host 2 Part (USB-C 1 to 7)
- USB Speed 5Gbps
- LED indicators: On: Charging ; Off: Not charging
- USB-C PD output power: 100W max. (each port) Supports 5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/5A PPS 3~11V, 20mV/step Voltage Output
- Note:
- Please using your device's original equipment USB-C charging cable or certificated USB-C cable.
- Even no USB data connection, all ports still can charging like normal charging station.
- All ports support below charging protocol: Supports BC1.2_DCP

Supports PD2.0, PD3.0

Supports Qualcomm QC 2.0, QC3.0, QC4.0



No.	Connections	Descriptions
5	Power Switch	Turn the power On or Off
6	C14 Power Jack	Connect the US C13 power cord, AC input: 110V, 50Hz/60Hz

Specifications

Input	Input Voltage: 110VAC, Frequency: 50Hz / 60Hz Input Current: 12A/115VA C
Internal Power Supply	600W – 24V
Host USB port	2x USB-C, Female with Data sync and PD 100W
Slide Switch	<p>Data / PD</p> <ul style="list-style-type: none"> • Data: This can let the iPhone 15/16, iPad Mini/Air/Pro USB-C devices charging and do the data sync simultaneously, data transfer speed up to 5Gbps. • PD: support up to 30W charging for USB-C device
Host 1 part (1 to 7) Host 2 part (1 to 7)	USB Port: 14 x USB-C, Data speed up to 5Gbps, Female PD output power: Up to 30W (5V/3A, 9V/3A, 12V/2.5A) Efficiency: VIN=24V, VOUT=5V/3A, Conversion Efficiency is 92%
USB-C Protocol	<p>Support 5V / 9V / 12V Voltage output Support PD 2.0 / PD 3.0</p> <p>PPS support 3 to 11V, 20mV/step Voltage output Support BC 1.2_DCP</p> <p>Support Qualcomm QC2.0 / QC3.0 / QC4.0</p>

LED Charging Mode	Charging RED color x 16 ; Power on Green color x 16
Output OCP	Output over current protection: output >3.5 to 3.9A USB port current output automatic disconnect
Operating Temperature	-10 to 55oC (14 to 131oF)
Storage Temperature	-20 to 70oC (-4 to 158oF)
Relative Humidity	20 to 90% RH (No Condensation)
Housing Material	Metal box with standard 19-inch rack mounting
Certification	FCC / CE / RoHS / UL
Working Altitude	Less than 2km
Dimension (W x H x D)	17.32" (W) x 2.24" (H) x 8.07" (D)
Weight	2.89kg (6.38 lbs)
Warranty	2 years
Country of Origin	China

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