Type-C USB hub

4 PORTS | TYPE-C | 60WATTS | USB 2.0 | 480MBPS

MANAGED CHARGE & SYNC

DESKTOP

[4 x ⎓]   HI-SPEED CERTIFIED USB

Charge & Sync

Up to **3A** (12W) per port

4 USB Type-C ports

Up to **480** Mbps transfer speed per port

Fully charged for Type-C.

Charge four Type-C downstream USB devices at up to 60Watts per port.

The Type-C USB hub complies with Power Deliver (PD) 2 specifications and supports 15/27/45/and 60Watt power delivery at up to 3A.

Supports power role reversal and can charge the host computer as well if desired.

Guaranteed power.
Type-C Power Delivery

With a total power budget of 192W, devices receive as much power as they like until there is not enough for a newly attached device. At this point the highest-powered device gets its allocated power reduced to 27W.

The 27W is allowed to be taken as 9V @ 3A, 12V @ 2.25A or 15V @ 1.8A.

If unallocated power to allow for 60W to be offered becomes available, a device that has been limited will be offered 60W.

If the Firmware determines that a connected device will not use all of its allocated power then that spare power is returned to the power budget.

The connected device will be told that it cannot increase its power usage above that which is in the present USB PD2.0 contract as negotiated between the device to be charged and the PDSync-4.

Safety built in

UL listed, ensuring the highest level of safety.

Smart technology

Transfer data to multiple devices at once without having to rely on an MDM to keep devices up to date.

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.

[Connect]
[Connect]
[Connect]

Scale to meet your needs.

Connect four hubs and up to 16 devices from one host computer without being affected by the endpoint limitation.
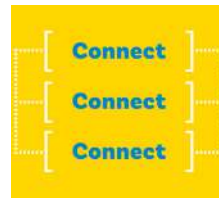
Manage

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 certified industrial managed USB hub.

4 x HiSpeed USB Type-C ports.

UPDATER

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 [PDSYNC-4]

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.

Charging at the optimum rate (up to 60 Watts) will commence once negotiation is complete.

As the standard power supply is limited to 200 Watts, our algorithm either provides as much power as requested by the attached devices, or, if demand exceeds the 200 Watt limit, distributes the power uniformly across the downstream ports.

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 the PDSync-4 Host Port is connected to a local computer, the charge delivered to downstream devices will depend on the specification of the device attached.

If the attached device does not comply with PD2.0 but complies with USB-IF Battery Charging specification BC1.2 and supports Charging Downstream Port (CDP), the PDSync-4 can provide high-speed charging at up to 1.5 A. If the connected device does not comply with PD2.0 or BC1.2, the charge current will be limited to 500 mA in compliance with USB specifications.

If the attached device supports Power Delivery PD2.0, the power delivery negotiation will take place as described in 4.1 above and devices will either receive the maximum power they request or be limited by the available power during data transfer. By default, the PDSync-4 provides 500 mA charge current at 5.2 Vdc through the host port to ensure data transfer is uninterrupted.

However, the power provided to the host computer can be set using our software controls. As the total power available is limited to 200 Watts, any power used to charge the host diminishes the power available to charge downstream devices.

Data Transfer
To transfer data, install applications, restore or update attached mobile devices, a data connection to a local host computer is required. The PDSync-4 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 your local (host) computer to the host port using a Type-C to Type-C USB2.0 compliant cable. Any devices connected to the PDSync-4 will now appear as if they were connected to the host computer's USB port. You can now use the programme of your choice to transfer data to and from your device. The PDSync-4 is fully compliant with High Speed USB2.0 and supports data transfer at speeds up to 480 Mbps. The orange LED will illuminate when the PDSync-4 is syncing.

Specifications

Input Voltage:	24Vdc	**Dimensions (approx.):**	132mm long x 106mm wide x 34mm high
Input Current:	15A		
Input Connection:	4-pin DIN	**Approximate weight:**	1.6 kg (inc PSU)
Output Voltage:	3V to 21V		
Output Current:	Up to 3A per port	**Power Supply**	
Output Power:	Up to 60W per port	**Input Voltage:**	**100-250Vdc**
Output Power (Total):	Up to 200W max	**Input Current:**	**2.5A @ 115 Vac**
Input/Output Connectors:	1 x USB-C (host connector)	**Input Frequency:**	**50-60Hz**
	1 x USB-C (expansion connector)	**Input Connector:**	**C14**
	4 x USB-C (for devices)	**Output Voltage:**	**24V**
	1 x 4-pin DIN	**Output Current:**	**8.5A**
Ambient Operating Temperature Range:	0 ~ 35°C	**Output Power:**	**200W**
Relative humidity:	5% to 95% non-condensing	**Output Connector:**	**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**
- **China CCC certification**
- **Pending Japanese PSE certification and Indian BIS**
- **Complies with the latest EN60950 safety requirements for ITE**
- **Housed within a UL94-V0 specification fire enclosure**

CE   c[UL]us LISTED I.T.E E346549   FC   RoHS Compliant