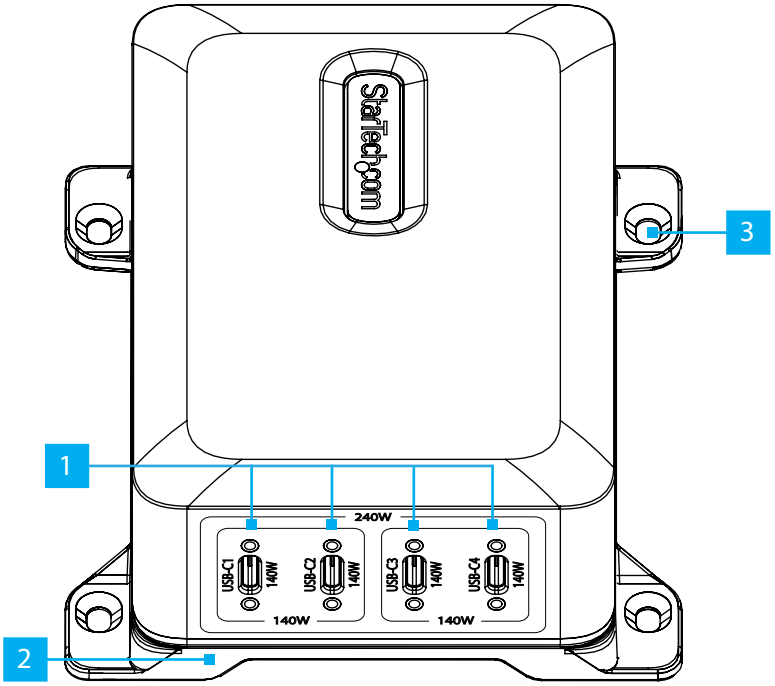
4-Port 240W GaN USB-C Laptop Charger, Desktop/Under Desk Mount

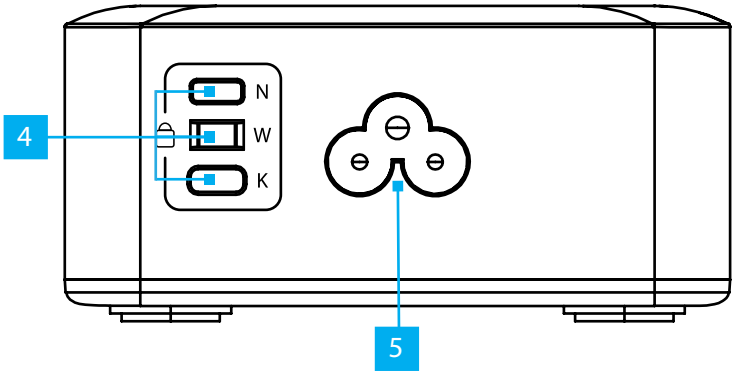
Product ID

424Dxx-USB-C-CHARGER

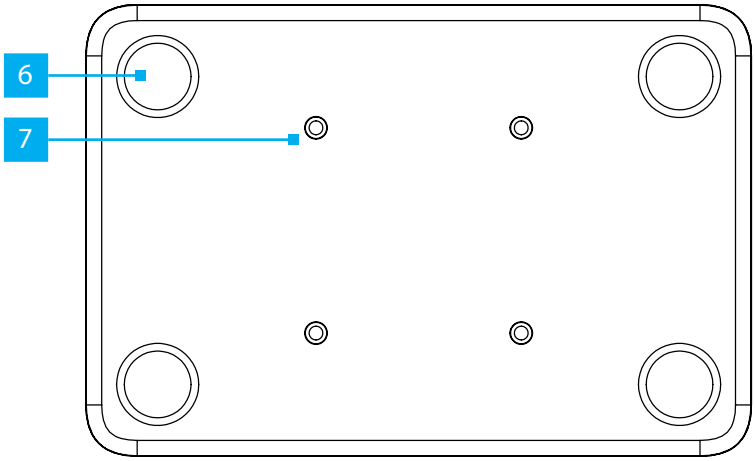


*Product may vary from image

Rear View



Bottom View (Mounting Plate Removed)



	Feature	Function
1	USB Type-C Charging Ports x 4	• **Locking USB Type-C Ports** supports up to 140W • Supported power profiles: 5V 3A, 9V 3A, 12V 3A, 15V 3A, 20V 5A, 28V 5A (140W Max) • **Programmable Power Supply** (PPS) Mode: 5 - 11V 5A (45W Max) ***Note:*** *Refer to the Power Behavior table for power allocation among ports.*
2	Mounting Plate	• Enables fastening of the **Mounting Plate** onto the **4-Port Charger**
3	Mounting Plate, Desk Mounting Holes x 4	• Enables fastening of the **Mounting Plate** under a desk or onto a wall • **VESA** compatible 100x100mm
4	Security Slots	• Enables securing of the **4-Port Charger** with a **Laptop Cable Lock** • Compatible with **N**ano, Noble **W**edge®, and **K**-slot security slots
5	AC Power Input	• Use to provide power with the included **IEC-C5 Power Cord**
6	Anti-Slip Rubber Pads	• Help prevent the **4-Port Charger** from sliding when placed on a surface
7	Mounting Plate, Mounting Holes x 4	• Enables fastening of the **Mounting Plate** onto the **4-Port Charger** with the included **M3 Phillips Countersunk Machine Screws** • **Mounting Holes** are spaced 40mm • The mounting pattern is compatible with StarTech.com's **Docking Station VESA Mount Plates**

Package Contents

- Charger (**A**) x1
- Mounting Plate (Installed) (**B**) x 1
- M3x4mm (5/32") Phillips Countersunk Machine Screws (Installed) (**C**) x 4
- M4x12mm (1/2") Phillips Countersunk Wood Screws (**D**) x 4
- M4x20mm (3/4") Phillips Countersunk Wood Screws (**E**) x 4
- (*Only for 424D3x-USB-C-CHARGER*) S2CEPR3M-USBSL-CABLE (**F**) x 2
- 6ft IEC-C5 Power Cord (**G**) x 1

Requirements

For the latest manuals, product information, technical specifications, and declarations of conformance, please visit: www.StarTech.com/support

- Phillips head screwdriver
- (Optional) Appropriate mounting hardware and tools for the wall type
- (Optional) Power drill with an appropriate drill bit according to the wall type
- (Optional) Pencil or marker
- (Optional) Bubble level
- (Optional) Laptop Cable Lock

Warnings!

- *StarTech.com Ltd. is not responsible for any property damage and/or personal injury resulting from the installation procedures outlined in this technical document.*
- *The mounting instructions and/or hardware included with this product may not be suitable for the specific wall structure used. If you lack the necessary expertise required to attach this product to the wall structure or to assess the suitability of the hardware provided, please contact a professional installer.*
- *Read the entire Quick-Start Guide and ensure the instructions are fully understood before using this product.*
- *Never operate this product if parts are missing or damaged.*
- *Do not touch the product under power if the product has an exposed printed circuit board or electrical wire.*

Over Temperature Protection

Over Temperature Protection (OTP) has been implemented to prevent the unit from overheating in abnormal scenarios. OTP activation is based on the transformer temperature and will reduce the aggregate power from 240W to a lower level to ensure that the device stays within safe operating limits. Following an OTP trigger and sufficient cooling time, the connected device(s) should be hot-plugged to reset the power profile allocation.

Operational Notes

- It is recommended to keep the bracket always installed to ensure optimal thermal performance of the unit via the additional clearance and airflow that the bracket provides.
- It is recommended to install the unit in a well-ventilated area, away from other sources of significant heat.
- If there are multiple units, they should NEVER be stacked on top of each other.

Power Behavior

The total aggregate power is 240W, which is shared across a dual transformer topology. USB-C1 and USB-C2 are connected to the first 140W transformer, and USB-C3 and USB-C4 are connected to the second 140W transformer. Each port configuration supports multiple loading conditions; the power profile allocation logic is based on the power draw of each connected device. For example, if two devices connected to USB-C1 and USB-C2 draw 45 ≤ x ≤100 W of power, a 70W + 70W profile will be allocated.

Use Case	USB-C1 (W)	USB-C2 (W)	USB-C3 (W)	USB-C4 (W)	Total Power (W)
Single Port	140				140
		140			140
			140		140
				140	140
Dual Port	100	40			140
	40	100			140
	70	70			140
			100	40	140
			40	100	140
			70	70	140
	140		100		240
	140			100	240
		140	100		240
		140		100	240
Triple Port	70	70	100		240
	100	40	100		240
	40	100	100		240
	70	70		100	240
	100	40		100	240
	40	100		100	240
		140	60	40	240
		140	40	60	240
		140	50	50	240
	140		60	40	240
	140		40	60	240
	140		50	50	240
Quad Port (All)	100	40	60	40	240
	100	40	40	60	240
	100	40	50	50	240
	70	70	50	50	240
	70	70	60	40	240
	70	70	40	60	240
	40	100	40	60	240
	40	100	60	40	240
	40	100	50	50	240

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