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Part # - TPS008

Item # TPS008 was discontinued on June 20, 2016. For informational purposes, this is a copy of the website content at that time and is valid only for the stated product.

K-Cube and T-Cube Power Supply Options



Compatible Light Source

Modules

LEDD1B

TLS001-635 and

TLS001-1550

TLD001

LEDD1B

All Variants^b

Overview Feedback

Features

Item #

KPS101

TPS101

TPS002

TPS008

KCH301

KCH601

Power Supplies for Individual K-Cubes and T-Cubes

Max Number of K-/T-Cubes

Powered

One

One

Two

Eight

Three

Six

- Power Supplies for Up to Two (TPS002) or Eight (TPS008) K-Cubes and T-Cubes
- USB Controller Hubs Combine Power and Communications for Up to Three or Six K-Cubes or T-Cubes
- Adapter Plates for Using T-Cubes with USB Controller Hubs

Please note that with the exception of the USB Controller Hubs, each power supply is not compatible with all K-Cubes and T-Cubes. Please verify that the power supply can provide the required voltage and amperage for the K-Cubes and T-Cubes being used. See below for more details on choosing the correct option.

Compatible Motion Control

Modules

KDC101, KST101,

KBD101, and TSC001

KPZ101, TNA001/IR,

<u>TPA101</u>, and <u>TSG001</u> <u>KDC101</u>, <u>KST101</u>,

KBD101^a,and TSC001



Click to Enlarge The KCH601 USB Controller Hub with installed K-Cube and T-Cube modules. One KAP101 adapter plate is used for each T-Cube on the hub.

Compatible Temperature Control

Modules

TTC001

Compact Motion Control Modules				
K-Cube Controllers ^a				
Brushed DC Servo Motor Controller				
Brushless DC Servo Motor Controller				
Stepper Motor Controller				
Single-Channel Piezo Controller				
T-Cube Controllers ^a				
Single-Channel Strain Gauge Reader				
Dual-Channel NanoTrak Auto-Aligner				
Quadrant Detector				
Solenoid Controller				
Compact Light Source & Driver Modules				
Laser Diode Driver				
Laser Sources				
High Power LED Driver				
Compact Temperature Control Module				
Temperature Controller				
a. K-Cube and T-Cube modules are fully compatible				

 K-Cube and I-Cube modules are fully compatible with one another.

a. The TPS008 can supply power for up to four KBD101 Brushless DC Servo Drivers.

b. A KAP101 or KAP102 Adapter Plate is required to use a T-Cube with the KCH301 or KCH601.



Individual Power Supplies for One K-Cube or T-Cube
Power Supplies for Multiple K-Cubes or T-Cubes

The KPS101 and TPS101 offer a simple power supply for individual K-Cubes or T-Cubes. The cubes need to be hooked up individually to a computer via a USB cable to use them with the motion control software.

The TPS002 supplies power for one or two K-Cubes or T-Cubes. The TPS008 Power Supply will provide power for up to eight K-Cubes or T-Cubes, or up to four KBD101 Brushless DC Servo Controllers. The cubes still need to be hooked up individually to a computer via a USB cable to use them with the motion control software.

A location-specific adapter plug is shipped with the power supply unit based on your location. The adapter plugs for the KPS101 are shown to the right.



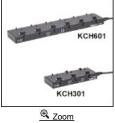
Click for Details Location-Specific Adapters for the KPS101

Based on your currency / country selection, your order will ship from Newton, New Jersey

+1	Qty	Docs	Part Number - Universal		Price	<u>Available / Ships</u>	
+1 🔁		Ĩ.	KPS101	15 V, 2.4 A Power Supply Unit for One K-Cube or T-Cube	\$25.71	1	Today
+1 🖃		È	<u>TPS101</u>	5 V, 2.0 A Power Supply Unit for One Laser Source T-Cube	\$25.00	4	Today
+1 🖂		È	TPS002	± 15 V/5 V Power Supply Unit for up to Two K-Cube or T-Cubes	\$105.00	Lead Time	
+1 🖂		-	TPS008	15 V, 8 A Power Supply Unit for up to Eight K-Cubes or T-Cubes	\$180.00	Lea	<u>d Time</u>

Add To Cart

USB Controller Hubs for K-Cubes and T-Cubes



Provide Power and Communication with a Single USB Cable and a Single Power Connection

USB Controller Hubs for up to Three or Six K-Cubes or T-Cubes

Adapter Plate Connects T-Cube to Hub

These USB Controller Hubs have been designed specifically with multiple K-Cube and T-Cube operation in mind. The hub vastly reduces the number of USB and power cables required when operating multiple K-Cubes or T-Cubes. Furthermore, a USB output connector can be connected to the USB input on another unit, allowing multiple Controller Hubs to be connected together while still only using a single USB cable from the host control PC.

The hub draws a maximum current of 10 A; please verify that the cubes being used do not require a total current of more than 10 A.

The KCH301 and KCH601 Controller Hubs are compatible with all K-Cube and T-Cube modules. A KAP101 or KAP102 Adapter Plate (sold separately) is required for each T-Cube to operate on the controller hub. The KAP101 is designed to adapt 60 mm wide T-Cubes to the hubs, while the KAP102 is designed to adapt 120 mm wide T-Cubes to the hubs.

For more information on the USB Controller Hubs, see the full web presentation.



<u>Click to Enlarge</u> KCH301 USB Controller Hub with Installed K-Cube and T-Cube Modules (T-Cube is Shown on a KAP101 Adapter)



Click to Enlarge

Based on your currency / country selection, your order will ship from Newton, New Jersey

+1	Qty	Docs	Part Numbe	Price	Available / Ship		_	
+1 🖂		Ē	<u>KCH301</u>	USB Controller Hub and Power Supply for Three K-Cubes or T-Cubes	\$475.00	4	Today	
+1 🛱		È	<u>KCH601</u>	USB Controller Hub and Power Supply for Six K-Cubes or T-Cubes	\$575.00	4	Today	
+1 🖂		Ē	<u>KAP101</u>	Adapter Plate for KCH Series Hubs and 60 mm Wide T-Cubes	\$55.00	4	Today	
+1 🖃		Ē	<u>KAP102</u>	Adapter Plate for KCH Series Hubs and 120 mm Wide T-Cubes	\$60.00	4		

Additional Motion Control Electronics

DC Servo

Stepper Motor

<u>Piezo / Strain Gauge</u>

<u>Auto-Alignment</u>

15 V Solenoid Controller

USB Controller Hubs

Rack System

K-Cube and T-Cube Power Supplies

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