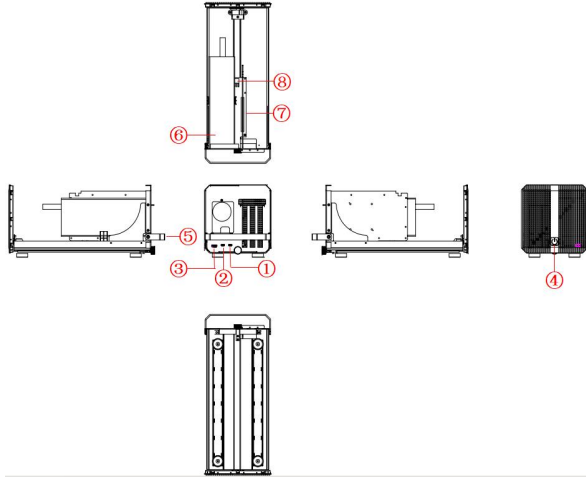


Product pecification

Model: TD001

Product Name: Type-C TBT3/USB4 TO Type-C TBT3/USB4+1*USB3.2-A+PCIE

Image



Product Description

port	port name	mark	Parameter description
Uplink port:	USB-C	①	1*Type-C Thunderbolt3/4/USB4 port, maximum transfer rate of 40Gbps, support PD3.0 protocol, can be uplink to the computer, maximum 85W, can fast charge the notebook, support DP Alt Mode 1.4. When port ② is used as an uplink port, it can be used as a downlink port, and the maximum transmission rate is 40Gbps; (Ports ① and ② can be used as upstream ports, supporting blind mating, when one port is used as an upstream port, the other port is a downstream port)
Downstream Port:	USB-C	②	1*Type-C Thunderbolt3/4/USB4 port, the maximum transfer rate is 40Gbps. When port ① is used as a downlink port, it can also be used as an uplink port, with a maximum transmission rate of 40Gbps, supports PD3.0 protocol, can be used as an uplink computer, with a maximum of 15W, can be used for fast charging of notebooks, and supports DP Alt Mode 1.4; (① and ② ports can be used as uplink ports, supporting blind mating, when one port is used as an uplink port, the other 1 port is a downlink port)
	USB-A	③	1*USB3.2 Gen2, the maximum transfer rate is 10Gbps (backward compatible with USB3.0/USB2.0);
	PCIE	⑦	1*PCIE x16 slot, graphics card slot, support PCIe x1/x4/x8/x16 card slot, support PCIe 3.0 x4, support hot-swappable graphics card. Supported graphics card types: NVIDIA RTX 20/30/40/50 series (such as RTX 3070, 3080, 4090, 4080, etc.), AMD RX 7000/8000/9000 series (such as RX 7900 XTX), up to 400mm length graphics card;
Power configuration	power supply	⑥	Power installation location area, support 2U server power supply, support power supply size: 240mm*100mm*70mm;
	ATX Power port	⑧	1*ATX power port, power input port of graphics card docking station;
Install the handle		⑤	1* Installation handle, easy to take out and operate during installation;
Power switch + LED indication		④	1* Power switch, control power on/off, power on LED always on, power off LED off;

尺寸: 240mm*100mm*70mm



Product Introduction:

- 1、【Graphics card docking station】, plug and play, support multi-device sharing. With this graphics docking station, you will get 1*external graphics card, 1*USB C Thunderbolt3/4/USB4 (support 40Gbps data transfer), 1*USB 3.2 (10Gbps);
- 2、【Graphics card expansion】, support PCIe expansion, plug and play, support multi-device sharing, improve the graphics performance of laptops or small desktops, and support professional needs such as games, video editing, and 3D rendering.
- 3、【Graphics Card Support】Supported graphics card types: NVIDIA RTX 20/30/40/50 series (such as RTX 3070, 3080, 4090, 4080, etc.), AMD RX 7000/8000/9000 series (such as RX 7900 XTX), up to 400mm length graphics card;
- 4、【Dual Thunderbolt Ports】Dual Thunderbolt ports, support uplink and downlink blind mating, when one port is used as an uplink port, the other port is a downlink port;
- 5、【Fast Data Transfer & PD 85W Charging Port】Thunderbolt 3/4/USB4 no longer distinguishes between data transfer and fast charging ports, and realizes 40Gbps high-speed data transfer and PD charging at the same time. This dock supports 85W PD charging, which can quickly charge laptops;
- 6、【High-strength aluminum alloy structure design】High-strength aluminum alloy shell, anodized surface, scratch-resistant and wear-resistant;
- 7、【System compatibility】 supports Windows 10/11, macOS 12 and above (devices that support eGPU function);

Product appearance

Item	Detailed Description
Material/Color	Aluminum alloy + ABS plastic / apple gray
Size	384*182.7*192.7MM
Cable	

Main chip description

IC	Function
JHL7440	Thunderbolt chips
TPS65983BA	Power management chips

Environment test

Item	Detailed Description
Operation Temperature	0℃ to +40℃
Storage Temperature	-10℃ to +55℃
High & Low Humidity	5% to 90 % RH (no condensation)
Certification	CE

Compatible systems and equipment

Item	Detailed Description
Compatibility Tested by	Apple MacBook Pro(2015/2016/2017/2018/2019);Surface Pro (windows 10), 18362.1016; Asus Zen Book (windows 10), 18362.418
Operating System Support	Mac OS X 10.2 and future releases. Windows /10/11 64 bit and future releases
Computer equipment	Tablets, desktops, laptops

Packing instructions

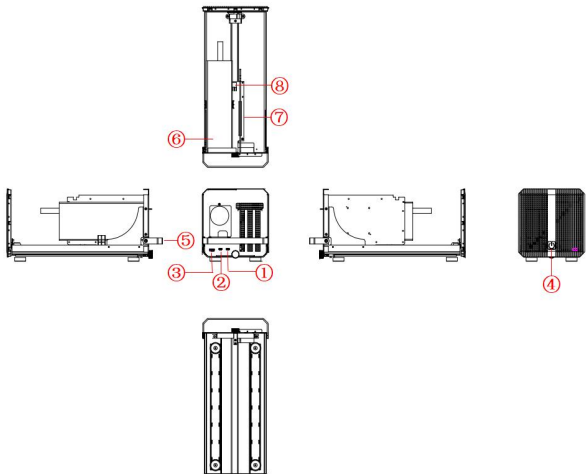
Type	Detailed Description	WP-E-029 Rev:4.0
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Product	IPC
Manual	TBD
Cable	Cable: Thunderbolt 4 data cable _L = 0.5 meters _ silver-plated copper 8 coaxial standard Cable _ black Cable * 1PCS
Package Box	TBD
Notice	
1. This product can only be used on Thunderbolt 3/4/USB4 computers; 2. When using, make sure that the PIN needle in the product does not sink or bend, so as not to affect the plugging and unplugging 3. Be careful not to splash liquid into the connector when using, so as not to affect its performance 4. The product should be placed in a dry place, not in a humid environment 5. At least 10 seconds between hot-swap intervals of the product connector interface (used and used)	

Prepared by: Xiejingmin

Reviewed by: Liuzhenhua

Approved by:

PURPLELEC 博 德 越		深圳市博德越科技有限公司	
产品规格书			
Model: TD001 Porduct Name:Type-C TBT3/USB4 TO Type-C TBT3/USB4+1*USB3.2-A+PCIE			
产品图片	 		
产品描述简介			
端口	端口名称	标记	参数描述
上行口:	USB-C	①	1*Type-C Thunderbolt3/4/USB4端口，最大传输速率为40Gbps，支持PD3.0协议,可向上行端电脑,最大85W，可为笔记本快速充电，支持DP Alt Mode 1.4。当②端口作上行端口时，可作下行端口使用，最大传输速率为40Gbps；（①和②端口都可以作上行端口使用，支持盲插，当1个端口作上行端口时，另1端口则为下行端口）
下行口:	USB-C	②	1*Type-C Thunderbolt3/4/USB4端口，最大传输速率为40Gbps。当①端口作下行端口时，也可以上行端口使用，最大传输速率为40Gbps，支持PD3.0协议,可向上行端电脑,最大15W，可为笔记本快速充电，支持DP Alt Mode 1.4；（①和②端口都可以作上行端口使用，支持盲插，当1个端口作上行端口时，另1端口则为下行端口）
	USB-A	③	1*USB3.2 Gen2，最大传输速率为10Gbps (向下兼容USB3.0/USB2.0)；
	PCIE	⑦	1*PCIE x16插槽，显卡插槽，支持PCIE x1/x4/x8/x16卡槽，支持PCIE 3.0 x4，支持热插拔显卡。支持显卡类型：NVIDIA RTX 20/30/40/50 系列（如 RTX 3070、3080、4090、4080 等）、AMD RX 7000/8000/9000 系列（如 RX 7900 XTX），最大支持长度 400mm长度 显卡；
电源配置	power supply	⑥	电源安装位置区域，支持2U服务器电源，支持电源尺寸：240mm*100mm*70mm； 
	ATX Power port	⑧	1*ATX电源端口，显卡扩展均电源供电输入端口；
安装拉手		⑤	1*安装拉手，便于安装过程取出进行操作；
电源开关+LED指示		④	1*电源开关，控制电源开启/关闭，电源开启LED常亮，电源关闭LED熄灭；
产品简介： 1、【显卡扩展坞】，即插即用，支持多设备共享。采用英特尔主控芯片，英特尔认证Thunderbolt技术，极速传输高达40Gbps。有了这款显卡扩展坞,您将获得1*外置显卡，1*USB C Thunderbolt3/4/USB4(支持40Gbps数据传输),1*USB 3.2(10Gbps)； 2、【显卡扩展】，支持PCIe扩展，即插即用，支持多设备共享，提升笔记本或小型台式机的图形性能，支持游戏、视频剪辑、3D 渲染等专业需求。 3、【显卡支持】支持显卡类型：NVIDIA RTX 20/30/40/50 系列（如 RTX 3070、3080、4090、4080 等）、AMD RX 7000/8000/9000 系列（如 RX 7900 XTX），最大支持长度 400mm长度 显卡； 4、【双Thunderbolt端口】双Thunderbolt端口，支持上行、下行盲插，当1个端口作上行端口时，另1端口则为下行端口； 5、【快速数据传输和PD 85W充电端口】Thunderbolt3/4/USB4不再区分数据传输和快速充电端口，同时实现40Gbps高速数据传输和PD充电。这款扩展坞支持85W PD 充电，可为笔记本快速充电； 6、【高强度铝合金架构设计】采用高强度铝合金架构设计外壳，表面阳极氧化处理，耐磨耐刮； 7、【系统兼容性】支持Windows 10/11、macOS 12 及以上（支持 eGPU 功能的设备）；			
产品外观规格			
类型		详细描述	
Material/Color		铝合金+ABS塑胶/苹果灰	
Size		384*182.7*192.7MM	
Cable			
主IC描述			
IC		功能描述	
JHL7440		雷电芯片	
TPS65983BA		电源管理芯片	
环境测试			
类型		详细描述	
工作温度		0℃ to +40℃	
保存温度		-10℃ to +55℃	
高低湿度		5% to 90 % RH (no condensation)	
认证		CE	
兼容系统及设备			
类型		详细描述	
兼容性测试		Apple MacBook Pro(2015/2016/2017/2018/2019);Surface Pro (windows 10), 18362.1016; Asus Zen Book (windows 10), 18362.418	
操作系统支持		Mac OS X 10.2 and future releases. Windows /10/11 64 bit and future releases	
		WP-E-029 版本:A0	

电脑设备	Tablets, desktops, laptops
包装说明	
类型	详细描述
产品	1PC
说明书	TBD
Cable	线材 雷电4数据线_1=0.5米_镀银铜8同轴标准线_黑色线材*1PCS
包装盒	TBD
使用注意事项	
1、本产品只支持在Thunderbolt3/4/USB4电脑上使用； 2、使用时确认产品内PIN针无下陷或弯曲现象，以免影响插拔 3、使用时注意不要将液体溅入连接器内，以免影响其使用性能 4、产品需放置在干燥的地方，不要置于潮湿的环境内 5、产品连接器接口热插拔间隔时间至少10秒钟（使用与所用产品）	

Prepared by: Xiejingmin

Reviewed by: Liuzhenhua

Approved by: