

# Portable solid-state drives

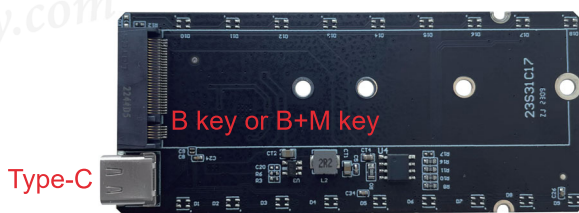
Mobile solid-state drive is a portable hard drive made of solid-state electronic storage chips, consisting of a main controller, storage unit (FLASH chip/DRAM chip), and bridge chip. That is to say, the solid-state drive that was originally installed in the computer has been transformed into the form of a traditional portable hard drive. Compared to traditional mechanical portable hard drives, PSSD is more "lightweight" in terms of product dimensions and has the characteristics of SSD itself, such as "shock resistance", "high speed", and "low power consumption". The new generation of mobile solid-state drives generally use the Type-C interface.

PSSD, like SSD, also has the characteristics of low power consumption, no noise, anti vibration, low heat, small size, and wide operating temperature range.

## PSSD PCBA:

The main body of PSSD is a PCBA board, and the most basic components on this PCB board are the control chip and the bridge chip for the conversion interface. PSSD uses SSD as the storage medium internally, and its internal SSD interface is M.2 interface, supporting SATA3.0 and NVMe protocols.

### 1, M.2 Interface SATA3.0 (5Gbps) to Type-C.



M.2 SATA protocol PCBA, 5Gbps(bandwidth), Speed 360~450MB/s. (PCBA built-in M.2 SATA SSD, SSD port: M.2 module in format 2280, 2260, 2242, 2230 B+M Key and M.2 SATA basis.)

### 2, M.2 PCIe NVMe(10Gbps) to Type-C.



M.2 PCIe NVMe protocol PCBA, 10Gbps(bandwidth), Speed 850~950MB/s. (PCBA built-in M.2 PCIe SSD, SSD port: M.2 module in format 2280, 2260, 2242, 2230 M Key and M.2 PCIe basis.)

### 3, SSD B+M key and M key.

6-pin contacts

5-pin contacts

6-pin contacts

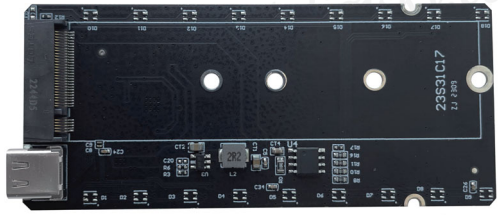
5-pin contacts

B Key Slot

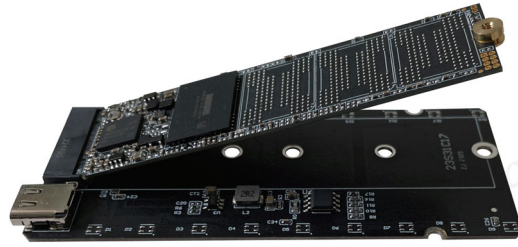
B+M Key Slot

M Key Slot

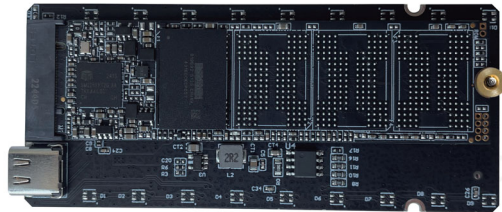
#### 4, SSD instand to PCBA.



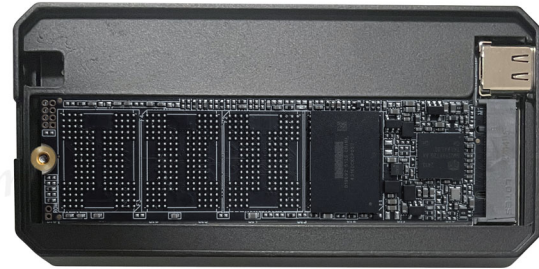
**PSSD PCBA**



**Tilt insertion SSD**



**Fixed SSD**



**Installed PSSD bottom shell**

### Our Portable solid-state drives

**OEM orders are welcome**



- Branded size: 44 × 7 mm.
- Printing method: LED lighting.

**PSSD 01**



- Branded size: 45 × 12 mm.
- Silkscreen/Full color printing/Laser engraved/water sticker

**PSSD 02**



- Branded size: 22 × 13 mm.
- Printing method: LED lighting.

**PSSD 03**



- Branded size: 75 × 25 mm.
- Silkscreen/Full color printing/Laser engraved

**PSSD 04**



- Branded size: 75 × 25 mm.
- Printing method: LED lighting.

**PSSD 05**



- Branded size: 75 × 11 mm.
- Silkscreen/Full color printing/Laser engraved

**PSSD 06**



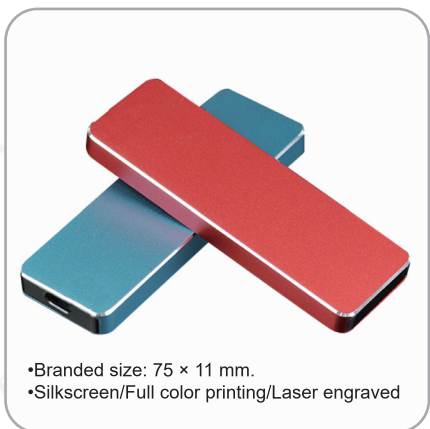
PSSD 07



PSSD 08



PSSD 09



PSSD 10

**Accessories:**

Standard Packing box + Data cable: TypeC-A.(Optional: TypeC-A, TypeC-C or 2 in 1 TypeC-C/A.)



Data cable(10Gbps): TypeC-A

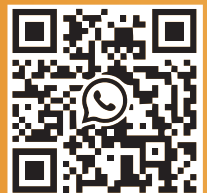
TypeC-C

2 in 1 TypeC-C/A

Warehouse : Bldg 1, Lane 11, Xiliang Village, Buji Street, Longgang Dist, Shenzhen  
Factory: Building B, Chuangxin industrial Park, NO.196 Fusheng Road, Yangwu Village, Dalang Town, Donguan.

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