

## Product Qualification

### --- Raspberry Pi Test ---

**Product Name :** PT15R-M242 512GB 2Tb\*2 Thermal Sensor Sidefill  
**Product P/N :** B76.152KGD.00103  
**Qualification :** Raspberry Pi Function  
**Test Result :** PASS

QT	Approved	Date
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<b>Test Result Summary</b>		
Product Name	PT15R-M242 512GB 2Tb*2 Thermal Sensor Sidefill	
<b>Platform Information</b>		
Model Number	Raspberry Pi 5 Model B 8GB	
Operating System	Raspberry Pi OS (64-bit)	
Latest Firmware Version	1731427844	
<b>Test Result</b>		
Function Operation Test	Product Detect Check	V
	Install OS	V
	Performance	V
Stress Test	FIO	V
	Warm Boot	V
	Cold Boot	V
<b>Remark</b>		

**A. Function Operation Test**

**1. Product Detect Check**

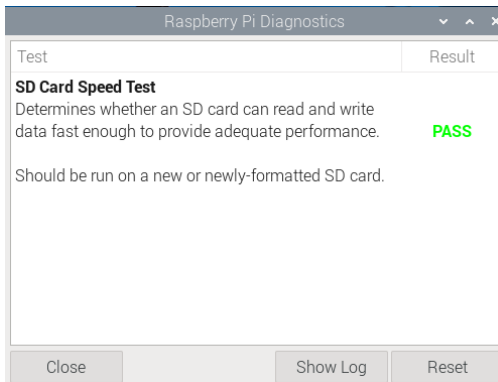
Test Item	Criterion	Result
Product Detect Check	The product can be detected on platform.	PASS

**2. Install OS**

Test Item	Criterion	Result
Raspberry Pi OS (64-bit) Desktop ver.	There are no errors when clone OS and can enter the OS normally.	PASS
Raspberry Pi OS (32-bit) Desktop ver.		PASS
Ubuntu Desktop 24.04.1 LTS (64-bit)		PASS

**3. Performance**

Test Item	Criterion	Speed
Sequential Write QD32 4M	Tool : Raspberry Pi Diagnostics All test results are PASS	399001 KB/sec
Random Write QD32 4K		97234 IOPS
Random Read QD32 4K		107436 IOPS



Note : Results may differ from various flash configurations or host system setting.

**B. Stress Test**

**1. FIO Test**

Test Item	Criterion	Result
FIO	Test method : FIO QD32T8 4K Test duration : 96 hours No errors found during testing	PASS

**2. Warm Boot Test**

Test Item	Criterion	Result
Warm Boot	Test cycle : 3000 Cycles Can enter the system normally	PASS

**3. Cold Boot Test**

Test Item	Criterion	Result
Cold Boot	Test cycle : 3000 Cycles Can enter the system normally	PASS

**C. Additional Qualification:**

**1. Environmental**

- 1. RoHS Standard 2011/65/EU , 2015/863/EU
- 2. Other Environmental Standard EC/1907/2006 ,(EU)757/2010,(EC)850/2004
- 3. WEEE (By Product) 2012/19/EU
- 4. Battery Standard N/A
- 5. Packing Standard 94/62/EC, 2013/2/EU
- 6. Others GB/T 26572-2011

**2. Certification**

- 1.  CE No. \_\_\_\_\_
- 2.  FCC No. \_\_\_\_\_
- 3.  BSMI No. \_\_\_\_\_
- 4.  VCCC No. \_\_\_\_\_
- 5.  C-tick No. \_\_\_\_\_
- 6.  Other \_\_\_\_\_