

Product Qualification

--- Raspberry Pi Test ---

Product Name : PT15R-M242 128GB 512Gb*2 Thermal Sensor Sidefill

Product P/N : B76.152HGD.00203

Qualification : Qual. Raspberry PI 5

Test Result : PASS

QT	Approved	Date
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Test Result Summary		
Product Name	PT15R-M242 128GB 512Gb*2 Thermal Sensor Sidefill	
Platform Information		
Model Number	Raspberry Pi 5 Model B 8GB	
Operating System	Raspberry Pi OS (64-bit)	
Latest Firmware Version	1731427844	
Test Result		
Function Operation Test	Product Detect Check	V
	Install OS	V
	Performance	V
Stress Test	FIO	V
	Warm Boot	V
	Cold Boot	V
Remark		
PASS		

A. Function Operation Test

1. Product Detect Check

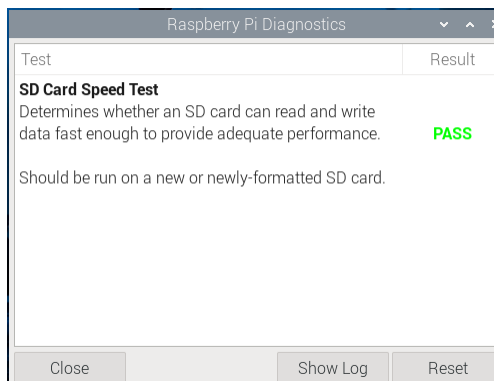
Test Item	Criterion	Result
Product Detect Check	The product can be detected on platform.	PASS

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 24.04 LTS (64-bit) Desktop ver		PASS

3. Performance

Test Item	Criterion	Speed
Sequential Write QD32 4M	Tool : Raspberry Pi Diagnostics All test results are PASS	374491 KB/sec
Random Write QD32 4K		90269 IOPS
Random Read QD32 4K		106562 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 _____