

PHISON

Knows What You Need

IoT

Internet of Things

MVP-6000 Expandable Fanless
Embedded Computers with Phison
SATA III LDPC DRAM-Less Controller
PS3111-S11T



UP Squared (Up²) World
Fastest Maker board with
Phison eMMC 5.0 HS400
Controller PS8225



MXE-5300 Integrated Fanless
Embedded Computers with
Phison SATA III LDPC
DRAM-Less Controller
PS3111-S11T



EN50155 Certified Railway
Embedded PC with Phison
SATA III LDPC DRAM-Less
Controller PS3111-S11T



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Automotive

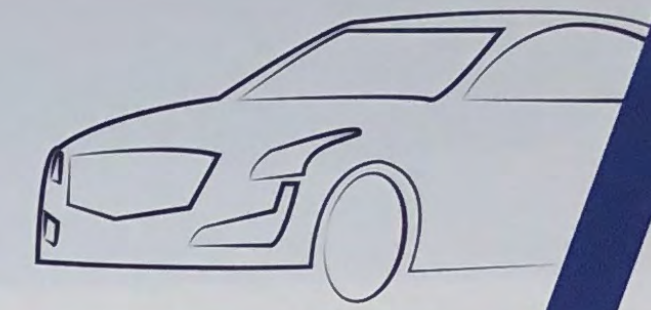
R-Car M3 Medium-Class
Automotive Computing
Systems with Phison eMMC
AEC-Q100 Certified
Controller PS8225

RENESAS

R-Car H3 Development Kit
Compliance with Phison
eMMC AEC-Q100 Certified
Controller PS8225

RENESAS

- AEC-Q100/ JESD-22 Selected Certified
- IATF16949/ ISO26262 Applied
- APQP/ PPAP Service Support



eMMC 5.1

- Package: 100/ 153ball
- Compliant with IATF16949/ APQP/ PPAP
- Capacity : 4 – 256GB

UFS2.1/3.0

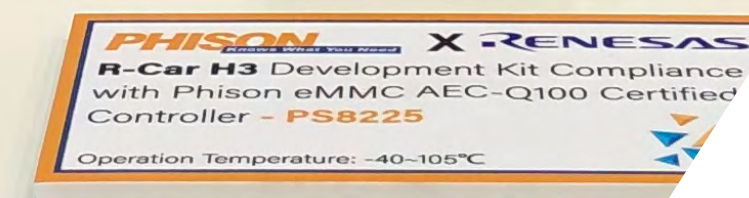
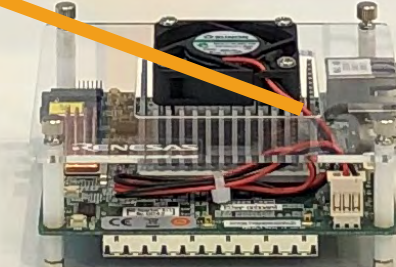
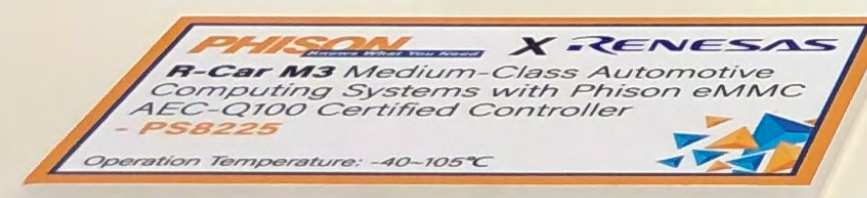
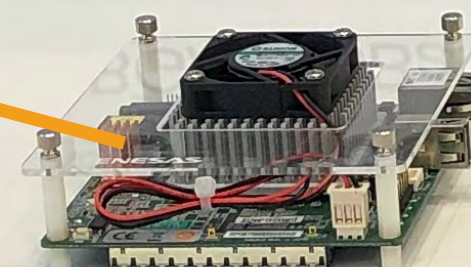
- 153balls
- Capacity : 128GB – 512GB
- Performance: R1800/ W800 MB/s

SATA3.1 BGA SSD

- Package BGA 156Ball, Type1620
- Capacity : 4GB – 256GB
- Performance: R550/ W490 MB/s

PCIe Gen3x2 BGA SSD

- Package BGA 342Ball, Type1113
- Capacity : 128GB – 1024GB
- Performance: R1800/ W1500 MB/s



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Enterprise

E12DC

PCIe Gen3x4 NVMe 1.3 Solution

- Capacity: 480GB – 4TB

- Sustained Performance (Up to)

Sequential Read:	3200MB/s
Sequential Write:	1000MB/s
Random Read:	400K IOPS
Random Write:	70K IOPS
4K Mixed Read/ Write 70/30:	148K IOPS

- Quality of Service (99.9%)

4K Random Read QD1 Latency:	126us
4K Random Write QD1 Latency:	43us

- Advanced Feature

LDPC 3.0 ECC Engine
Power loss Data Protection
End-to-End Data Protection
Encryption

S12DC

SATA III Solution- S12DC

- Capacity: 480GB – 4TB

- Sustained Performance (Up to)

Sequential Read:	550MB/s
Sequential Write:	530MB/s
Random Read:	90K IOPS
Random Write:	67K IOPS
4K Mixed Read/ Write 70/30:	85K IOPS

- Quality of Service (99.9%)

4K Random Read QD1 Latency:	180us
4K Random Write QD1 Latency:	40us

- Advanced Feature

LDPC 3.0 ECC Engine
Power loss Data Protection
End-to-End Data Protection
Encryption