

IoT  
Internet of Things

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



UP Squared (Up<sup>2</sup>) World  
Fastest Maker board with  
Phison eMMC 5.0 HS400  
Controller PS8225



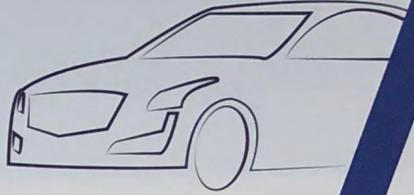
MXE-5300 Integrated Fanless  
Embedded Computers with  
Phison SATA III LDPC  
DRAM-Less Controller  
PS3111-S11T



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



## Automotive

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

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



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



### eMMC 5.1

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

### UFS2.1/3.0

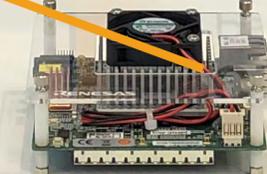
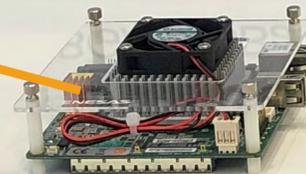
- 153balls
- Capacity : 128GB – 512GB
- Performance: R1800/ W800 MB/s

### 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



## 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

