

pciedom[®]
pcie disk on module

Security | Reliability | Quality



Revolution of Disk On Module



- Smallest PCI Express disk on module
- PCI Express x1 specification, compatible with PCI Express x4, x8, and x16
- Excellent IOPS performance
- Built in ECC and Global Wear-Leveling function
- Patented mechanical design. (Patent filing)
- Anti-shock and vibration
- Easy to plug and play
- Beneficial and flexibility for motherboard(system) design

PCI Express has been adopted as a mainstream interface of storage, which dramatically increases data transfer bandwidth and application performance. InnoDisk PCIeDOM is a revolutionary innovation of disk on module with PCIe Express interface, which brings you new generation of storage solution, especially focused on embedded systems. Comparing with most PCIe devices in the market, PCIeDOM comes with unique design, as well as patented mechanism, which provides a tiny but solid storage device. PCIeDOM has passed several strict tests, including shock, vibration, drop, and long term burn in test; moreover, it's built-in ECC (Error Checking and Correcting) and Static Wear-Leveling algorithm to ensure the best quality and reliability, as well as extended its lifetime. Regarding the data protection, PCIeDOM also enhanced its data management algorithms to prevent data lose while abnormal power failure.

Item	PCIeDOM
Capacity	2 / 4 / 8 / 16 GB
Interface	PCI Express X1
Data Transfer rate (Read / Write)	60/30 MB/sec. (max.)
IOPS (Random Read/Write@4K (Alignment 4K))	6000/3000
Write Protect	Support
Operation Temp.	0°C ~ +70°C
Shock	1500G / 0.5ms
Vibration	20G (7~2000Hz)
Power Consumption (Max.)	300mA
Dimension (WxLxH)	7.5 x 46 x 20.65mm

* Due to InnoDisk Firmware structure, user capacity would be 1.6, 3.2, 6.4, and 12.8GB respectively.