Beyond your imagination

Design, Service, Quality, Delivery



The Actica A1 Solid State Disk is SATA III 6Gb/s Flash based disk, which delivers excellent performance and reliability making it the ideal solution for a variety of applications, including embedded system, industrial computing, and enterprise field. A1 SSD not only performs unmatched performance, but also designed with InnoDisk owned technical knowhow to ensure the data integrity and highest levels of reliability. A1 is designed with the original MLC NAND flash, and unique firmware architecture to maximize the bandwidth limitation of the SATA III interface, which can provides up to 520/500MB /s sequential read/write performance and 4K random IOPS up to 50000.



Features :

- Standard 2.5" form factor
- SATA III interface with excellence performance
- Supports S.M.A.R.T technology
- InnoDisk iSMART utility
- Unique F/W to optimized endurance
- Advanced ECC function to keep data integrity
- Built-in AES-128 encryption for data protection
- Industrial grade level environmental testing
- Supports Windows TRIM command
- Compatible with SAS interface

Applications

- Cloud/ Enterprise computing
- Networking & Telecomm
- Embedded System/ Industrial PC
- Medical Equipment
- Military / Aerospace
- Video Systems
- Gaming

Why InnoDisk?

- In house R&D (H/W , F/W)
- Industrialized Product Design
- In house production and testing
- Fixed BOM
- Longevity support
- Worldwide service, localize support

Product Specification

Form Factor:	
2.5” (L x W x H: 99.9 x 69.7 x 9.3mm)	
Capacity	
60GB, 120GB, 240GB, 480GB	
Flash Type	
MLC	
Performance:	
Interface :	SATA III 6Gb/s
Sequential Read/ Write :	520/500 MB/s
Random IOPS :	50000 (Max.)
Reliability	
ECC :	55 bits/512byte
Temperature Management :	Support
S.M.A.R.T :	Support
Security	
AES 128 encryption & ATA security	
Power Consumption	
Voltage :	5V ±5%
Read/ Write/ Idle (mA) :	370/530/160
Environmental	
Shock (IEC 68-2-27) :	
Duration: 0.5ms, 1500 G, 3 axes	
Vibration (IEC 68-2-6) :	
7 Hz to 2K Hz, 20G, 3 axes	
Operating Temp. :	0°C to +70°C
Non-operating Temp. :	-55°C to +95°C
MTBF (Telcordia SR-332 GB, 25°C) :	
>4,000,000 (hours)	
Safety test :	CE, FCC

Order Info.

Capacity	Part Number
60GB	D2SS-64GF21AC1EN
120GB	D2SS-A28F21AC1EN
240GB	D2SS-B56F21AC1EN
480GB	D2SS-C12F21AC1EN

Contact & Order

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About InnoDisk

With the long experience and profound knowledge in NAND flash memory, InnoDisk is capable of developing series of product with excellent quality, remarkable performance, and high reliability as well as cost effective. Focusing on the variety market demand, InnoDisk provides industrial storage solutions, the company develops, manufactures and markets NAND flash storage products for a wide range of application platforms. InnoDisk commits to excellent achievement, higher standard of quality, and reliability as well as performance. With the dedicate service and professional, technical know-how, InnoDisk delivers the right solutions to your requirements.

ACTICA

iNNODISK® Beyond your imagination