

Hornet

mSATA MO-300



The Unigen mSATA are case-less solid state drives that provide low power and high performance in an ultra small form factor ideal for highly portable or embedded systems. The Unigen mSATA SSDs are featured with power management schemes to reduce power consumption down to below 1 Watt in full idle mode. It's dimensions result in an effective volume that is 20x less than an enclosed 3.5" hard drive, and 10x less than a 2.5" solid state drive. With SATA 6Gbps performance, the Unigen mSATA SSDs provide the maximum bandwidth to deliver sustained and effective sequential read/write performance up to 550MB/s, and random read/write IOPS up to 90,000, enabling mobile, embedded and small form factor systems to break through the bandwidth limitations imposed by 3Gb/s SATA and other often used solutions like USB or CompactFlash™ cards.

- ✓ **mSATA MO-300 Form Factor**
- ✓ **Capacities: 32GB,128GB up to 960GB**
- ✓ **iTLC NAND Flash Supported**
- ✓ **PLP Available**
- ✓ **Automatic AES-256 and AES-128 hardware double encryption**
- ✓ **TCG Opal 2.0 and eDrive security (optional add-on)**
- ✓ **Highly intelligent block management and wear leveling optimizes SSD longevity**

Part Number	Capacity
UBA2S0632H011D1-IKI-UGN	32GB 88% OP
UBA2S06128HI11D1-IKI-UGN	128GB 50% OP

Appearance	
Form Factor	MO-300
Weight	0.22 Pounds
Interface	
Interface	SATA Interface
Storage	
Flash Type	iTLC NAND Flash Supported
Capacity	32GB and 128GB
Operating Environment	
Storage Temperature	Min -40°C, Max +85°C
Operating Humidity	MIL STD 810F ; Method 507.4
Shock	MIL STD 810F ; MIL STD 883G
Vibration	MIL STD 810F ; MIL STD 883G
Power	
Power Consumption (Active)	1.27W
Power Consumption (max.)	3.1W
Performance	
Sequential Read (max.)	Up to 550 MB/s
Sequential Write (max.)	Up to 280 MB/s
Mean Time Between Failures	>1,750,000 Hours
Technology	
Power Loss Protection	yes
DRAM Cache	yes
Error Correction / Error Detection	Up to 72 random bits for every 1K-byte page
Data Retention	
Data Retention	10 years @ 25°C