

OEM Hard Disc Drives

2017/H2 Roadmap

PAPS Product Management

Eric.Tu

HDD Market Segment

General IPC



Optimized for applications operating for 8 hours a day, 6 days a week, with an overall workload around 10~20% at moderate performance.

Surveillance



Optimized for small block, sequential write data transfer for always on system such as DVR, NVR video server or video Management systems that operates 24 hours a day, 7 days a week

Enterprise



Optimized for intensive 100% workload, large sequential data blocks with highly desirable data integrity from multiple sources, which operates around the clock..

2017 HDD Roadmap

General IPC

3.5" HDD

Interface : SATA
Capacity: 500GB to 3TB
Performance: 7KRPM
Cache: 16MB to 64MB



2.5" HDD

Interface : SATA
Capacity: 500GB to 2TB
Performance: 7KRPM
Cache: 16MB to 128MB



2.5" HDD

Seagate 7KRPM
4TB 5TB 5KRPM 128MB

Available Q3

3.5" HDD

Interface : SATA
Capacity: 500GB to 6TB
Performance: 5KRPM
Cache: 64MB
Features: Power Saving , 24X7



2.5" HDD

Interface : SATA
Capacity: 500GB to 1TB
Performance: 7KRPM
Cache: 16MB Features:
Power Saving , 24X7



3.5" HDD

Seagate
6TB 8TB 10TB 5KRPM
Available Q3
1TB/2TB 7KRPM

Available Q4

3.5" HDD

Interface : SATA
Capacity: 500GB to 3TB
Performance: 7KRPM
Cache: 16MB to 64MB
Features:
Power Saving , 24X7,
RAID support



2.5" HDD

Interface : SATA & SAS
Capacity: 500GB to 3TB
Performance: 7KRPM
Cache: 16MB to 64MB
Features:
Power Saving , 24X7,
RAID support



Video Storage

Server Storage

M/P

2017 Q4

Storage Management

Advantech Internal Test

- Software Compatibility OS and Driver Test
- Hardware Compatibility Test
- CPU Board Compatibility Test
- RAID Card Compatibility Test
- Power On/Off Test
- Boot Stress Test
- Wide temperature Test (Optional)
- ACPI Cycling Burn-in Test
- Full System, I/O Integrated Stress Test
- System Performance Test

Industrial APS Core Competence

- Product Life Cycle Management
- Centralized component procurement model
- Valued – Added management
- Global Special Sourcing / Logistic Service
- Intelligent Searching Web Engine



New Product Feature Highlight

The thinnest and highest-capacity 2.5" HDD



- With up to 5TB storage in a 15mm z-height
- Fast data rates of up to 140MB/s
- Multi-tier caching technology delivers excellent performance with lower power consumption
- For easy-to-upgrade embedded system
- Available in Q3

PN	MPN	Description
96ND4TB-ST-SG5KG	ST4000LM024	SG IPC 4TB 2.5" 5KRPM SATAIII 128MB
96ND5TB-ST-SG5KG	ST5000LM000	SG IPC 5TB 2.5" 5KRPM SATAIII 128MB

Focus Product Updates

Size	P/N	Product Description
General IPC		
3.5"	96HD500G-ST-SG7KG	Seagate 3.5" 500G SATAIII 7KRPM 32MB HDD
2.5"	96ND500G-ST-SG5KG	Seagate 2.5" 500G SATAIII 5KRPM 128MB HDD
Video Storage		
3.5"	96ND500G-ST-SG5KA1	Seagate 500GB 3.5" SATAIII 5KRPM 64MB HDD
2.5"	96ND500G-ST-SG5KA	Seagate 500G 2.5" SATAIII 5KRPM 16MB HDD
Server Storage		
3.5"	96HD1TB-ST-SG7KE1	Seagate Enterprise 3.5" 1TB 7KRPM SATAIII 128MB HDD
2.5"	96ND1T-ST-SG7E	Seagate Enterprise 2.5" 1TB 7KRPM SATAIII 128MB HDD