

Ultra mobile SATA Spinpoint N3C



Capacity		60GB	80GB	120GB	160GB
Model	No FFS	HS06VHF	HS08VHF	HS12VJF	HS16VJF
	FFS	HS06RHF	HS08RHF	HS12RJF	HS16RJF

FEATURES

- MAX.80GB Formatted Capacity Per Disk
- High Speed Digital Signal Processor Based Architecture
- Low Power HDC
- Advanced Power Management Control
- Fluid Dynamic Bearing Spindle Motor Technology
- SATA S.M.A.R.T Compliant
- SATA 48-bit Address Feature Set
- Multi-Burst On-The-Fly Error Correction
- SilentSeek™
- Free Fall Sensor (optional)

DRIVE CONFIGURATION

Capacity	60 / 80 / 120 / 160 GB
Interface	SATA II
Rotational Speed	5400 RPM class
Buffer DRAM Size	16 MB
Byte per Sector	512

PERFORMANCE SPECIFICATION

Average Seek time (typical)	15.0 ms
Media Transfer Rate (Max.)	650 Mb/s
Interface Transfer Rate (Max.)	1.5 / 3.0 Gbps (optional)
Drive Ready Time (typical)	4.0 sec

RELIABILITY SPECIFICATION

Non-recoverable Read Error	1 sector in 10 ¹³ bits
Controlled Ramp Load/Unload	600,000

ACOUSTICS

Idle (Max.)	2.2 Bel
Performance Seek (Max.)	2.4 Bel

POWER REQUIREMENTS

Voltage	+3.3V ±5%
Spin-up Current (Max.)	550 mA
Seek (typical)	1.30 W
Read/Write (typical)	1.50 W
Idle (typical)	0.45 W
Standby (typical)	0.20 W
Sleep (typical)	0.20 W

ENVIRONMENTAL SPECIFICATIONS

Temperature	
Operating	5 ~ 60 °C
Non-operating	-40 ~ 85 °C
Humidity (non-condensing)	
Operating	8 ~ 90 %
Non-operating	8 ~ 90 %
Linear Shock (1/2 sine pulse)	
Operating, 2ms	600 G
Non-operating, 1ms	1500 G
Vibration	
Operating	0.67 Grms
Altitude (relative to sea level)	
Operating	-300 to 3,000 m
Non-operating	-400 to 15,000 m

PHYSICAL DIMENSION

Height	
60/80GB	5mm
120/160GB	8mm
Width	
	78.5 mm
Length	
	54.0 mm
Weight (Max.)	
60/80GB	51 g
120/160GB	62 g

* Note : Design and specifications are subject to change without prior notice.

1MB = 1,000,000 Bytes, 1GB = 1,000,000,000 Bytes

* Accessible capacity may vary as some OS uses binary numbering system for reported capacity.

* A small portion of the (16MB) buffer memory is reserved for firmware use.

