

Ultra mobile SATA Spinpoint N1C



Capacity	80GB	120GB
Model	HS08XJF	HS122JF

FEATURES

- MAX.60GB 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	80 / 120 GB
Interface	SATA 1.5Gbps
Rotational Speed	5400 RPM class
Buffer DRAM Size	8 MB
Byte per Sector	512

PERFORMANCE SPECIFICATION

Average Seek time (typical)	14.0 ms
Media Transfer Rate (Max.)	550 Mb/s
Interface Transfer Rate (Max.)	1.5 Gbps
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	2.4 Bel
Performance Seek	2.6 Bel

POWER REQUIREMENTS

Voltage	+3.3V ±5%
Spin-up Current (Max.)	540 mA
Seek (typical)	1.30 W
Read/Write (typical)	1.60 W
Idle (typical)	0.40 W
Standby (typical)	0.12 W
Sleep (typical)	0.10 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	8.0 mm
Width	78.5 mm
Length	54.0 mm
Weight (Max.)	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 (8MB) buffer memory is reserved for firmware use.

