

# Ultra mobile PATA Spinpoint N1



Capacity	80GB	100GB	120GB
Model	HS08XJC	HS10XJC	HS122JC

## FEATURES

- MAX.60GB Formatted Capacity Per Disk
- High Speed Digital Singal Processor Based Architecture
- Low Power HDC
- Advanced Power Maanagement Control
- Fluid Dynamic Bearing Spindle Motor Technology
- ATA S.M.A.R.T Compliant
- ATA 28-bit Address Feature Set
- Multi-Burst On-The-Fly Error Correction
- SilentSeek™
- Free Fall Sensor (optional)

### DRIVE CONFIGURATION

Capacity	80 / 100 / 120 GB
Rotational Speed	5400 RPM class
Buffer DRAM Size	8 MB
Byte per Sector	512

### PERFORMANCE SPECIFICATION

Average Seek time (typical)	13.0 ms
Average Latency	8.3 ms
Media Transfer Rate (Max.)	467 Mb/s
Interface Transfer Rate (Max.)	100 MB/s
Drive Reday Time (typical)	2.0 sec

### RELIABILITY SPECIFICATION

Non-recoverable Read Error	1 sector in 10 <sup>14</sup> bits
Controlled Ramp Load/Unload	600,000

### ACOUSTICS

Idle	2.6 Bel
Performance Seek	3.2 Bel

### POWER REQUIREMENTS

Voltage	+3.3V ±5%
Spin-up Current (Max.)	420 mA
Seek (typical)	1.1 W
Read/Write (typical)	1.2 W
Idle (typical)	0.40 W
Standby (typical)	0.08 W
Sleep (typical)	0.08 W

### ENVIRONMENTAL SPECIFICATIONS

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

### PHYSICAL DIMENSION

<b>Height (Max.)</b>	8.0 mm
<b>Width</b>	71.0 mm
<b>Length</b>	54.0 mm
<b>Weight (avg.)</b>	59 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.

