ComX Computers
Product Specification Sheet

HD204UI

Samsung HD204UI F4 2TB 3.5" 32mb Cache Variable RPM - SATA2 Drive

Product Overview

Samsung HD204UI F4 2TB 3.5" 32mb Cache, Variable RPM - SATAII



Specifications

Features:

- 667GB Formatted Capacity Per Disk
- Serial ATA 3.0Gbps Interface Support
- Improved recording stability over temperature with PMR
- Advanced dynamic FOD control for best data integrity
- Intelligent compensation of external disturbance
- SATA Native Command Queuing Feature
- Device Initiated SATA Power Management
- Shock & Rotational vibration sensor
- Environment friendly product with RoHS compliance
- Improved performance with dual-ARM based firmware
- ATA S.M.A.R.T. Compliant
- ATA Automatic Acoustic Management Feature
- ATA 48-bit Address Feature
- ATA Device Configuration Overlay Feature
- NoiseGuard
- SilentSeek

Specifications:

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Specifications	
Product Code	HD204UI

Drive Configurations	
Capacity	2TB
Interface	Serial ATA 3.0Gbps
Buffer DRAM Size	32 MB
Byte per Sector	4K Sector with Emulation
Performance Specifications	
Average Seek time(typical)	8.9 ms
Data Transfer Rate / Media to/from Buffer(Max.)	250MB/sec
Data Transfer Rate / Buffer to/from Host(Max.)	300MB/sec
Average Latency	5.52 ms
Drive Ready Time(typical)	13 sec
Reliability Specifications	
Non-recoverable Read Error	1 sector in 1015bits
Acoustics	
Idle	2.5/2.6 Bel
Performance Seek	2.8/2.9 Bel
Environmental Specifications	
Temperature / Operating	0 ~ 60 degreesC
Temperature / Non-operating	-40 ~ 70 degreesC
Humidity(non-condensing) / Operating	5 ~ 95 %
Humidity(non-condensing) / Non-operating	5 ~ 95 %
Liner Shock(1/2 sine pulse) / Operating	70 G
Liner Shock(1/2 sine pulse) / Non-operating	300 G
Altitude(relative to sea level) / Operating	-1, 000 to 10, 000 ft
Altitude(relative to sea level) / Non-operating	-1, 000 to 40, 000 ft
Power Requirements	
Voltage	+5V+/-5%, +12V+/-10%
Spin-up Current (Max.)	2.0A
Seek (typical)	5.7W
Read/Write (typical)	6.3W
Idle (typical)	5.1W

Standby (typical)	1W
Sleep (typical)	1W
Physical Dimension	
Height (Max.)	26.1 mm
Width	101.6 mm
Length	147.0 mm
Weight (avg.)	650g

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/HD204UI-Samsung-HD204UI-F4-2TB-3-5-32mb-Cache-Variable-RPM-SATA2-Drive-p-113767.php

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