

Samsung SpinPoint SP4002H - hard drive - 40 GB - ATA-100

General

- Features

NoiseGuard, ImpacGuard, S.M.A.R.T.

- Interface

ATA-100

- Buffer Size

2 MB

- Weight

1.32 lbs

- Manufacturer

Samsung

Power Device

- Type

none

Miscellaneous

- MTBF

500000 sec

Hard Drive

- Form Factor

3.5" x 1/3H

- Interface Type

ATA-100

- Spindle Speed

7200 rpm

- Features

ImpacGuard, NoiseGuard

- Hard Drive Type

internal hard drive

- Form Factor (Short)

3.5"

- Form Factor (metric)

8.9 cm x 1/3H

- Form Factor (Short) (metric)

8.9 cm

- Storage Interface

ATA-100

- Interface

ATA-100

- Average Seek Time

8.9 ms

- Max Seek Time

16.9 ms

- Track-to-Track Seek Time

0.8 ms

- Average Latency

4.17 ms

- Data Transfer Rate

100 MBps

- Internal Data Rate

69.6 MBps

- Buffer Size

2 MB

- Non-Recoverable Errors

1 per 10^{14}

- Start / Stop Cycles

50000

Performance

- Internal Data Rate

69.6 MBps

- Seek Time

8.9 ms (average) / 16.9 ms (max)

- Drive Transfer Rate

100 MBps (external)

- Average Latency

4.17 ms

- Spindle Speed

7200 rpm

- Track-to-Track Seek Time

0.8 ms

Expansion & Connectivity

- Connections

1 x storage - ATA-100 - 40 pin IDC

Storage Controller (2nd)

- Type

none

Environmental Parameters

- Vibration Tolerance

1.5 g @ 22-300 Hz (operating) / 8 g @ 22-300 Hz (non-operating)

- Max Altitude Operating

9840 ft

- Min Operating Temperature

41 °F

- Max Operating Temperature

131 °F

- Humidity Range Operating

5 - 90%

- Sound Emission

33 dB

Storage Hard Drive

- Compliant Standards

S.M.A.R.T.

Header

- Brand

Samsung

- Product Line
Samsung SpinPoint
- Model
SP4002H
- Packaged Quantity
1
- Compatibility
PC

Interface Required

- Connector Type
40 pin IDC
- Gender
female
- Connector Qty
1
- Total Qty
1

Bay Required

- Type
internal
- Form Factor
3.5" x 1/3H
- Form Factor (metric)
8.9 cm x 1/3H
- Total Qty
1

Slot Required

- Type
none

Software

- Type
none

Dimensions & Weight

- Width
4 in
- Depth
5.7 in
- Height
1 in
- Weight
1.32 lbs

Service & Support

- Type
3 years warranty

Service & Support Details

- Service Included
replacement

- Full Contract Period
3 years
- Location
carry-in
- Type
limited warranty

Reliability

- Start / Stop Cycles
50,000
- Non-Recoverable Errors
1 per 10^{14}
- MTBF
500,000 hours

General

- Manufacturer
Samsung

SAMSUNG SP4002H
37,31GB NTFS
LBR 41,6 MB/s
LRM 37,7 MB/s
LRE 23,6 MB/s
RR 34,5 MB/s
BR 86,6 MB/s
ARA 15,39 ms