

Toshiba PX03SNF040 internal solid state drive 2.5" 400 GB SAS eMLC

Brand : Toshiba

Product code: PX03SNF040

Product name : PX03SNF040

400GB SAS SAS 3.0

Toshiba PX03SNF040 internal solid state drive 2.5" 400 GB SAS eMLC:

Equipped with fast 12Gbit/s SAS-3.0 interface, the PX03SN series is optimized for read-intensive, and low-write-duty storage applications in server systems used in online transactions, cloud computing, online gaming, DVI video streaming and big data analytics.

The new eSSDs are available with capacities of 200GB (PX03SNF020), 400GB (PX03SNF040), 800GB (PX03SNF080) as well as 1.6TB (PX03SNB160), feature 19nm MLC NAND and support one full drive write per day with 100% random data workload. All drives deliver random write speeds up to 26,000 IOPS and random read speeds up to 130,000 IOPS.

Toshiba PX03SNF040. SSD capacity: 400 GB, SSD form factor: 2.5", Read speed: 1100 MB/s, Write speed: 380 MB/s, Data transfer rate: 12 Gbit/s, Component for: Server/workstation



| Features | | Operational conditions | |
|-----------------------------------|--------------------|-----------------------------------|-------------|
| SSD form factor * | 2.5" | Operating temperature (T-T) | 0 - 55 °C |
| SSD capacity * | 400 GB | Storage temperature (T-T) | -40 - 70 °C |
| Interface * | SAS | Operating relative humidity (H-H) | 5 - 95% |
| Memory type * | eMLC | Operating vibration | 2.17 G |
| Component for * | Server/workstation | Non-operating vibration | 16.3 G |
| Data transfer rate | 12 Gbit/s | Operating shock | 1000 G |
| Read speed | 1100 MB/s | Non-operating shock | 1000 G |
| Write speed | 380 MB/s | | |
| Random read (4KB) | 130000 IOPS | Weight & dimensions | |
| Random write (4KB) | 26000 IOPS | Width | 69.8 mm |
| Lithography | 19 nm | Depth | 100.5 mm |
| Mean time between failures (MTBF) | 2000000 h | Height | 7 mm |
| | | Weight | 70 g |
| Power | | Other features | |
| Power consumption (idle) | 2.7 W | Internal | ✓ |

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