TOSHIBA
Leading Innovation

SSD

PX04PRC SERIES
ENTERPRISE READ INTENSIVE SSD

Product image may represent a design model.

KEY FEATURES
- Up to 4.0 TB Storage Capacity
- HHHL Add-in Card
- 1 DWPD with 100% Random Workload
- Up to 660k IOPs Random Read
- Power Loss Protection
- 18.5W Active Power Consumption

APPLICATIONS
- JBOF (Just a bunch of flash)
- Web server
- HPC
- OLTPD
- Media Streaming

MAIN SPECIFICATIONS

Model Number		PX04PRC320	PX04PRC160	PX04PRC080
Part No.		SDFJS20GEA01	SDFJS21GEA01	SDFJS22GEA01
Interface		PCI Express 3.0		
Formatted Capacity		4,000 GB	2,000 GB	1,000 GB
Performance	Interface Speed	32 GT/s (Gen3 x4)		
	Memory Type	MLC		
	Sustained 128 KiB Sequential Read	3,100 MiB/s		
	Sustained 128KiB Sequential Write	2,350 MiB/s		
	Sustained 4KiB Random Read	660K IOPS		
	Sustained 4KiB Random Write	80K IOPS		
Supply Voltage	Allowable Voltage	3.3 V ± 9% (Standby) 12 V ± 10 %		
Power Consumption		6 W Typ.		

RELIABILITY

Model Number	PX04PRCxxx
MTTF	2,000,000 hours
DWPD	1 (fixed)
Warranty	5 years

MECHANICAL SPECIFICATIONS

Model Number	PX04PRCxxx
Height	68.77 mm ±0.13 mm
Width	18.73 mm Max.
Length	167.52 mm ±0.13 mm
Weight	220 g Max.

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Definition of capacity: Toshiba defines a megabyte (MB) as 1,000,000 bytes, a gigabyte (GB) as 1,000,000,000 bytes and a terabyte (TB) as 1,000,000,000,000 bytes. A computer operating system, however, reports storage capacity using powers of 2 for the definition of 1GB = 2^{30} = 1,073,741,824 bytes and therefore shows less storage capacity. Available storage capacity (including examples of various media files) will vary based on file size, formatting, settings, software and operating system, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

GT/s：Giga Transfers per second (The transfer speed only for effectiveness data)

A kibibyte (KiB) means 2^{10} or 1,024 bytes, a mebibyte (MiB) means 2^{20} or 1,048,576 bytes and a gibibyte (GiB) means 2^{30} or 1,073,741,824 bytes.

MTTF (Mean Time to Failure) is not a guarantee or estimate of product life; it is a statistical value related to mean failure rates for a large number of products which may not accurately reflect actual operation. Actual operating life of the product may be different from the MTTF.

DWPD: Drive Write Per Day. One full drive write per day means the drive can be written and re-written to full capacity once a day every day for five years, the stated product warranty period. Actual results may vary due to system configuration, usage and other factors.

The performance is measured in sustained condition.

Read and write speed may vary depending on the host device, read and write conditions and file size.

IOPS: Input Output Per Second (or the number of I/O operations per second)