

Enterprise SSD

PX02SSB080 / PX02SSF040 / PX02SSF020 / PX02SSF010

	PX02SSB080	PX02SSF040	PX02SSF020	PX02SSF010
Basic Specifications				
Interface	SAS-3.0			
Interface Speed	12.0 Gbit/s , 6.0 Gbit/s , 3.0 Gbit/s , 1.5 Gbit/s			
Memory Type	MLC			
Formatted Capacity	800 GB	400 GB	200 GB	100 GB
Sustained 64KiB Sequential Read (12.0 Gbit/s Dual Port)	1,060 MiB/s	1,100 MiB/s		
Sustained 64KiB Sequential Write (12.0 Gbit/s Dual Port)	410 MiB/s			
Sustained 4KiB Random Read (12.0 Gbit/s Dual Port)	130,000 IOPS			
Sustained 4KiB Random Write (12.0 Gbit/s Dual Port)	42,000 IOPS			
Reliability				
MTTF	2,000,000 hours			
Warranty	5 years			
DWPD	30			
Power Requirements				
Supply Voltage	5 V \pm 5 % , 12 V \pm 5 %			
Power Consumption (Ready)	3.6 W Typ.	2.7 W Typ.		
Dimensions				
Height	15.0 mm +0 , -0.5 mm	7.0 mm +0 , -0.5 mm		
Width	69.85 \pm 0.25 mm			
Length	100.45 mm Max.			
Weight	170 g Max.	70 g Max.		
Environmental Specifications				
Temperature (Operating)	0 to 55 °C			
Relative Humidity (Operating)	5 to 95 % R.H.			
Vibration (Operating)	21.27 m/s ² { 2.17 Grms } (5 to 800 Hz)			
Shock (Operating)	9,800 m/s ² { 1,000 G } (0.5 ms duration)			

- ▶ Product image may represent a design model.
- ▶ 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 = 2³⁰ = 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.
- ▶ A kibibyte (KiB) means 2¹⁰, or 1,024 bytes, a mebibyte (MiB) means 2²⁰, or 1,048,576 bytes, and a gibibyte (GiB) means 2³⁰, 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.
- ▶ 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)
- ▶ PLP (Power Loss Protection): PLP supports to record data in buffer memory to NAND flash memory, utilizing back up power of solid capacitor in case of sudden supply shut down.