



essential

PX500

SSD

Main features

PCIe gen 3 x4 interface
NVMe 1.3 support
Heat-dissipating thermal pad
3-year warranty with free technical support



Performance

Parameter	256 GB	512 GB	1TB
Sequential read performance (max.) ¹	1 850 MB/s	2 000 MB/s	2 050 MB/s
Sequential write performance (max.) ¹	950 MB/s	1 600 MB/s	1 650 MB/s
Random read performance (4k QD32)(max.) ¹	148 000 IOPS	173 000 IOPS	171 000 IOPS
Random write performance (4K QD32)(max.) ¹	135 000 IOPS	140 000 IOPS	143 000 IOPS

Physical parameters

Capacities² 256GB, 512GB, 1TB
Dimensions 22 x 80 mm
Interface M.2 PCIe NVMe gen 3 x4 (M key)
NAND Flash 3D NAND
Controller SMI 2263XT

Reliability and environmental

MTBF 1 500 000 hours
Temperature Operating: 0 ~ 70°C; Storage: -45 ~ 85°C
Warranty 3 years with free technical support

Ordering information

Product	Capacity	Packaging	P/N	EAN
SSD PX500	256 GB	Includes SSD	SSDPR-PX500-256-80	5908267923252
	512 GB		SSDPR-PX500-512-80	5908267923269
	1 TB		SSDPR-PX500-01T-80	5908267923276

¹ Based on tests performed in Crystal Disk Mark 5.2.1 on SSD in FOB (fresh-out-of-box) state. Actual results may vary depending on your system configuration or SSD wear.

² Storage capacity for GOODRAM SSD is provided in decimal values, i.e. 1GB = 1 000 000 000 bytes
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