

goodram

essential

PX500

SSD

Main features

PCIe gen 3 x4 interface
NVMe 1.3 support
Heat-dissipating thermal pad
3-year warranty limited by the TBW³
parameter and 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
TBW (TB) ³	170	330	660

Physical parameters

Capacities ²	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

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

³ After exceeding the TBW or 3 years, the SSD is not covered by warranty.

GOODRAM may make changes to specifications and product descriptions at any time, without notice.

Product Sheet | GOODRAM PX500 SSD | V1.3 | © Wilk Elektronik SA – GOODRAM



essential

Ordering information

Product	P/N	EAN	MOQ	Packaging dimensions	Product gross weight
SSDPR-PX500-256-80; SSD GOODRAM PX500 PCIe 3x4 256GB M.2 2280 RETAIL	SSDPR-PX500- 256-80	590826792325 2	15	180x330x70 mm	27g
SSDPR-PX500-512-80; SSD GOODRAM PX500 PCIe 3x4 512GB M.2 2280 RETAIL	SSDPR-PX500- 512-80	590826792326 9	15	180x330x70 mm	27g
SSDPR-PX500-01T-80; SSD GOODRAM PX500 PCIe 3x4 1TB M.2 2280 RETAIL	SSDPR-PX500- 01T-80	590826792327 6	15	180x330x70 mm	27g