

Goodram PX500 512 GB M.2 PCI Express 3.0 NVMe 3D NAND



Model: SSDPR-PX500-512-80

Manufacturer: GOODRAM

EAN: 5908267923269

Product Code: 1588106

R4,488

By providing up to 4x better sequential and random transfer performance compared to SATA III Solid State Drives and lower latency than AHCI drives, GOODRAM PX500 pumps-up your PC. The performance will improve the work of more demanding customers, offering a reading of up to 2050MB/s. It is also perfect as a stand-alone drive, as well as an add-on to a hard disk in desktops and laptops. Available capacities for the PX500 make the drive work in both roles.

High performance

By creating a disk based on efficient memory in 3D TLC technology and the SMI 2263XT controller, we managed to achieve sequential transfer parameters of up to 2050 MB/s for reading and 1650 MB/s for write and 173 000 read operations and 143 000 write operations per second (IOPS).

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950

New possibilities with NVMe

NVM Express communication protocol was designed from the ground up to achieve the potential of fast flash based storage media. By utilizing it in PX500 SSD, we were able to extract the maximum performance from its memory, controller and PCIe Gen 3 x4 interface. NVMe drastically reduces latency and queuing to bring much better responsiveness vs. AHCI-based SSD.

Heat under control

One of the problems that concerns M.2 SSD format is the thermal throttling – limitation of efficiency due to too high ambient temperature. To get it under control, PX500 have special coating consisting of copper and graphite. Thanks to this, we have obtained very good heat dissipation, without increasing the size of the disk.