



# IRD M PRO NANO

## SOLID STATE DRIVE

- Designed for handheld consoles
- Compact form factor 2230
- High-speed PCIe gen. 4 x4 interface
- Available capacities: 512 GB, 1 TB, 2 TB
- 5 years TBW <sup>5</sup> limited warranty with free technical support

PERFORMANCE <sup>3</sup>	512 GB	1 TB	2 TB
INCOMPRESSIBLE DATA READ SPEED (MAX.) <sup>1</sup>	5 100 MB/s	7 300 MB/s	7 300 MB/s
INCOMPRESSIBLE DATA WRITE SPEED (MAX.) <sup>1</sup>	4 600 MB/s	6 000 MB/s	6 000 MB/s
RANDOM READ OPERATIONS PER SEC. (MAX.) <sup>2</sup>	780 000 IOPS	750 000 IOPS	750 000 IOPS
RANDOM WRITE OPERATIONS PER SEC. (MAX.) <sup>2</sup>	920 000 IOPS	850 000 IOPS	850 000 IOPS
TBW <sup>5</sup>	300 TB	600 TB	1 200 TB

## TECHNOLOGY

FLASH MANAGEMENT	ERROR CORRECTION CODE (ECC), WEAR LEVELING, BAD BLOCK MANAGEMENT, TRIM, SMART, OVER PROVISIONING, FIRMWARE UPGRADE, THERMAL THROTTLING
ADVANCED DEVICE SECURITY FEATURES	SECURE ERASE, CRYPTO ERASE, PHYSICAL PRESENCE SID (PSID)
SSD LIFETIME MANAGEMENT	MEDIA WEAR INDICATOR, READ ONLY MODE (END OF LIFE), TERABYTES WRITTEN (TBW)
PERFORMANCE TUNING	THROUGHPUT, SLC CACHING

## PARAMETERS

CAPACITY <sup>4</sup>	512 GB, 1 TB, 2 TB
DIMENSIONS	22 × 30 × 2,2 [mm]
INTERFACE	PCIe NVMe gen. 4 x4
FORM FACTOR	M.2 2230 (M key)
NAND FLASH	3D NAND
MTBF	1 500 000 h
TEMPERATURE	- OPERATIONAL: 0°C ~ 70°C - STORAGE: -40°C ~ 85°C

## LOGISTICS DATA

PRODUCT	CONTAINS	CAPACITY	P/N	EAN
IRD M SSD PRO NANO	SSD	512 GB	IRP-SSDPR-P44N-512-30	5908267965917
		1 TB	IRP-SSDPR-P44N-01T-30	5908267965924
		2 TB	IRP-SSDPR-P44N-02T-30	5908267965931

<sup>1</sup> Based on tests performed in Crystal Disk Mark 8.0 on SSD in FOB (fresh-out-of-box) state. Actual results may vary depending on your system configuration or SSD wear.

<sup>2</sup> Based on tests performed in IOMETER on SSD in FOB (fresh-out-of-box) state. Actual results may vary depending on your system configuration or SSD wear.

<sup>3</sup> Testing platform: CPU: AMD Ryzen 7 5800X, Platform: AMD X570, Operating system: Win10 (64bit), version 1809

<sup>4</sup> Storage capacity for IRD M SSD is provided in decimal values, i.e. 1 GB = 1 000 000 000 bytes. Operating systems that use the binary conversion, i.e. 1 GB = 1 073 741 824 bytes, may show lower storage capacity than provided in this specification. For more information about capacities visit [www.goodram.com](http://www.goodram.com).

<sup>5</sup> After exceeding the TBW or 5 years, the SSD is not covered by warranty.

- IRD M may make changes to specifications and product descriptions at any time, without notice.
- Product Sheet | IRD M SSD PRO NANO | V.1.0 | © 2024 Wilk Elektronik S.A. - IRD M

## LOGISTICS DATA



DESCRIPTION	PN	EAN CODE	MOQ	PRODUCT DIMENSIONS	PRODUCT WEIGHT	PACKAGING DIMENSIONS	PRODUCT WEIGHT IN BLISTER	COLLECTIVE PACKAGING DIMENSIONS	COLLECTIVE PACKAGING WEIGHT
IRP-SSDPR-P44N-512-30; SSD IRDM PRO NANO 512GB PCIe 4x4 M.2 2230 RETAIL	IRP-SSDPR-P44N-512-30	5908267965917	10	30 x 22 x 2,2 mm	3 g	140 x 113 x 15 mm	35 g	168 x 143 x 117 mm	434 g
IRP-SSDPR-P44N-01T-30; SSD IRDM PRO NANO 1TB PCIe 4x4 M.2 2230 RETAIL	IRP-SSDPR-P44N-01T-30	5908267965924	10	30 x 22 x 2,2 mm	3 g	140 x 113 x 15 mm	35 g	168 x 143 x 117 mm	434 g
IRP-SSDPR-P44N-02T-30; SSD IRDM PRO NANO 2TB PCIe 4x4 M.2 2230 RETAIL	IRP-SSDPR-P44N-02T-30	5908267965931	10	30 x 22 x 2,2 mm	3 g	140 x 113 x 15 mm	35 g	168 x 143 x 117 mm	434 g

- 1 Based on tests performed in Crystal Disk Mark 8.0 on SSD in FOB (fresh-out-of-box) state. Actual results may vary depending on your system configuration or SSD wear.
- 2 Based on tests performed in IOMETER on SSD in FOB (fresh-out-of-box) state. Actual results may vary depending on your system configuration or SSD wear.
- 3 Testing platform: CPU: AMD Ryzen 7 5800X, Platform: AMD X570, Operating system: Win10 (64bit), version 1809
- 4 Storage capacity for IRDM SSD is provided in decimal values, i.e. 1 GB = 1 000 000 000 bytes. Operating systems that use the binary conversion, i.e. 1 GB = 1 073 741 824 bytes, may show lower storage capacity than provided in this specification. For more information about capacities visit [www.goodram.com](http://www.goodram.com).
- 5 After exceeding the TBW or 5 years, the SSD is not covered by warranty.
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