



# IRD M PRO SLIM

## SOLID STATE DRIVE

- High-speed PCIe gen 4 x4 interface
- NVMe 1.4
- Eight-channel Phison E18 controller with DRAM buffer
- 5-year warranty limited by the TBW parameter <sup>4</sup> and free technical support

### PERFORMANCE

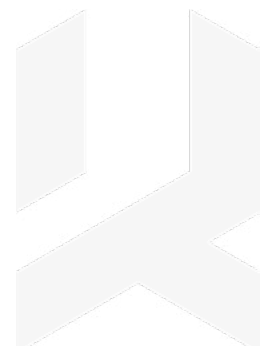
	1 TB	2 TB	4 TB
INCOMPRESSIBLE DATA READ SPEED (MAX.) <sup>1</sup>	7 000 MB/s	7 000 MB/s	7 000 MB/s
INCOMPRESSIBLE DATA WRITE SPEED (MAX.) <sup>1</sup>	5 500 MB/s	6 850 MB/s	6 850 MB/s
RANDOM READ OPERATIONS PER SEC. (MAX.) <sup>2</sup>	350 000 IOPS	650 000 IOPS	650 000 IOPS
RANDOM WRITE OPERATIONS PER SEC. (MAX.) <sup>2</sup>	700 000 IOPS	700 000 IOPS	700 000 IOPS
TBW <sup>4</sup>	700 TB	1400 TB	3000 TB

### TECHNOLOGY

FLASH MANAGEMENT	ERROR CORRECTION CODE (ECC), WEAR LEVELING, BAD BLOCK MANAGEMENT, TRIM, SMART, OVER PROVISION, FIRMWARE UPGRADE, THERMAL THROTTLING
ADVANCED DEVICE SECURITY FEATURES	NVMe FORMAT
SSD LIFETIME MANAGEMENT	MEDIA WEAR INDICATOR, READ ONLY MODE (END OF LIFE)
PERFORMANCE TUNING	THROUGHPUT, PREDICT & FETCH, SLC CACHING

### PARAMETERS

CAPACITY	<b>1 TB, 2 TB, 4 TB</b>
DIMENSIONS DRIVE/ DRIVEHEATSINK	<b>22 × 80 × 3,8 [mm]</b>
INTERFACE	<b>PCIe NVMe gen 4 x4</b>
FORM FACTOR	<b>M.2 2280 (klucz M)</b>
NAND FLASH	<b>3D TLC</b>
CONTROLLER	<b>PHISON PS5018E18</b>
MTBF	<b>2 000 000 h</b>
TEMPERATURE	<b>- OPERATIONAL -25°C ~ 85°C - STORAGE -45°C ~ 85°C</b>



### LOGISTICS DATA

PRODUCT	CONTAINS	CAPACITY	P/N	EAN
IRD M SSD PRO SLIM	SSD	1 TB	IRP-SSDPR-P44S-1K0-80	5908267964293
		2 TB	IRP-SSDPR-P44S-2K0-80	5908267964309
		4 TB	IRP-SSDPR-P44S-4K0-80	5908267964316

<sup>1</sup> Based on tests performed in Crystal Disk Mark 6.0.0 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> Storage capacity for GOODRAM 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>4</sup> After exceeding the TBW or 5 years, the SSD is not covered by warranty.

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

• Product Sheet | IRDM SSD PRO SLIM | V.2.0 | © 2023 Wilk Elektronik S.A. - IRDM

# SSD IRDM PRO SLIM


## POWER UP YOUR CONSOLE



**7000 MB/s**  
**6850 MB/s**  
MAX. SPEED  
READ / WRITE



PCIe GEN. 4 X4  
INTERFACE



NVME 1.4  
SUPPORT



PHISON E18  
CONTROLLER



5-YEAR WARRANTY  
+ TECH SUPPORT



### SSD IRDM PRO SLIM

The IRDM PRO SLIM drive is the ideal solution for desktops, laptops and, above all, latest-generation consoles that need smooth and stable operation even under the most demanding conditions and heavy loads. Whether you are using 3D modeling and animation, rendering or entertainment programs, equipping your hardware with the IRDM PRO SLIM drive will guarantee that these processes will run smoothly and comfortably.

#### Interface

The IRDM PRO SLIM SSD has a PCIe 4 x4 interface, which is one of the most popular and fastest inter-device communication standards in the computer. It allows the most efficient SSDs to operate at:

**7000 MB/s**  
READ

**6850 MB/s**  
WRITE

#### Unique design

IRDM PRO SLIM is distinguished not only by its exceptional technical performance, but also by its remarkable appearance. The stylish packaging and design of the drive combine shapes and colors that emphasize high quality and performance. The dark color scheme has been broken with light details directly referring to the entire IRDM product line and emphasizes compatibility with the latest generation of consoles.



#### Wide range of capacities

IRDM PRO SLIM drive is a modern solution for professionals and enthusiasts. It provides high performance and reliability thanks to advanced technology. The drive is available in three capacity variants: 1, 2 and 4 TB, guaranteeing the highest user experience regardless of the application used and the size of the data.



## Well-branded components



The drive is based on brand-name components, and its efficient operation is supported by the controller, among other things. The reliable PHISON PS5018-E18 controller is a modern solution for fourth-generation SSDs. It provides high performance, stability and data security. The controller supports the PCIe 4 x4 interface and NVMe 1.4 protocol which enables read and write speeds of up to 7 GB/s and as many as 700,000 random IOPS.

All the listed parameters fully meet the requirements of the latest PlayStation™5 \* console, and this drive will be ideal as an internal memory expansion.

## Awesome packaging

The IRDM PRO SLIM SSD is a high-quality product that provides speed and reliability. The drive is enclosed in a premium packaging that emphasizes its advantages and elegance.

\* IRDM is a registered trademark of Wilk Elektronik SA. All product names of companies other than Wilk Elektronik are trademarks of their respective owners.

Wilk Elektronik SA is not affiliated or in any way officially associated with any Sony group company.



## About us

IRDM is a Polish brand of computer memory manufactured by Wilk Elektronik SA.

Since its establishment in 2017, IRDM offers RAM modules, SSDs and memory cards for gamers, enthusiasts and professionals. Carefully selected components, sophisticated design and high technical parameters of Polish memories guarantee entertainment and work culture at the highest level.

Over 30 years of market and manufacturing experience, in-house engineering and R&D solutions combined with advanced quality control procedures are a guarantee of reliable and innovative products of the Polish brand.

IRDM products are available not only in Poland and Europe, but even further. Memories from the Polish factory are constantly gaining positive reviews and feedback from journalists, influencers, gamers and experts in the electronics industry.

