



IRDM PRO GEN 5 GRAPHENominal



12 000 MB/s
11 000 MB/s
MAX. READ/WRITE
SPEED



PCIE GEN. 5 X4
INTERFACE



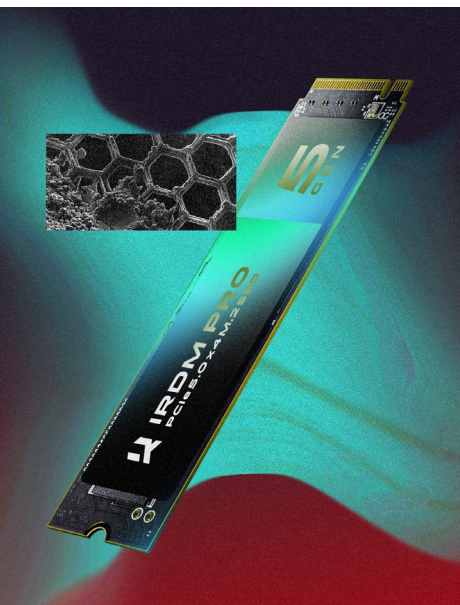
NVME 2.0
SUPPORT



PHISON E26
CONTROLLER



5-YEAR WARRANTY
+ TECH SUPPORT



Next-generation performance

IRDM PRO GEN 5 will surprise you with incredible read speeds of up to 12,000 MB/s. This is almost twice as fast as those offered by PCIe 4.0 drives. Go for the latest interface and take full advantage of the benefits of generation 5.0: lightning-fast transfers, efficient work on large files and terabytes of space for your data. Thanks to the unique Graphreeze™ technology, the drive will run at optimum temperature even during intensive use.

Performance under control

The IRDM PRO GEN.5 is equipped with the groundbreaking Graphreeze™ cooling technology based on the use of a double graphene coating, whose capabilities surpass traditional cooling materials. Thanks to its unique atomic structure, graphene dissipates heat 20 times more efficiently than aluminium, making it one of the world's most advanced cooling materials.

Why is graphene so special? Its atomic structure, which resembles a honeycomb, allows extremely fast heat dissipation, making it ideal for systems requiring maximum performance. Thanks to Graphreeze technology, the SSD can operate at full power even during the most demanding operations such as 4K video processing, advanced gaming or working with huge databases. The use of a graphene heatsink does not exclude the possibility of using additional cooling such as a heatsink integrated into the motherboard, which will effectively impact the drive's performance for advanced applications.

Designed for demanding users

The drive is available in three capacities: 1 TB, 2 TB and 4 TB. Decide which model you want and store your games, files, documents, photos or videos without limits. Thanks to the use of 3D TLC memory and the top of the range Phison E26 controller, the drive operates efficiently even under heavy computer loads. Demanding users will certainly be satisfied with the high IOPS value of 1.4 million operations. As a result, IRDM PRO GEN 5 offers a 40% improvement in random operations compared to PCIe 4.0 drives. Enthusiasts and players will quickly notice the difference and greater comfort through smooth and efficient work with large databases, videos up to 8K resolution or advanced graphics projects.



DirectStorage Compatibility

We've made sure the drive is compatible with DirectStorage, Microsoft's technology that allows data to be sent directly from the SSD to the graphics card (GPU), bypassing the processor (CPU). This will make your games load faster with less CPU load. This translates into higher performance, faster loading game levels and smoother transitions between scenes.

* To use DirectStorage you need a graphics card that supports DirectX 12 and Shader Model 6.0.

Advanced data protection

The IRDM PRO GEN 5 drive offers advanced features designed to ensure not only high performance, but also data security. One of the key parameters is the high **TBW** (Total Bytes Written) ratio, which determines the maximum amount of data that can be written to the drive over its lifetime. The higher this ratio, the longer the drive can operate without risking performance loss. **ECC** (Error Correction Code) technology is responsible for detecting and correcting data errors, minimising the risk of data corruption.

The **WEAR LEVELING** function balances the wear of memory blocks, extending the life of the drive. With **BAD BLOCK MANAGEMENT**, the drive automatically manages bad sectors, taking them out of service and ensuring continuous operation without affecting data. And **TRIM** technology optimises SSD operation by removing unnecessary data from memory cells, in effect speeding up writes and extending media life.

Stay up to date with cutting edge technology

New game titles, applications and operating systems will increasingly take advantage of the capabilities offered by the newer PCIe standards. By choosing IRDM PRO GEN 5, you are investing in the future of your hardware - your PC will be compatible, efficient and up-to-date for a long time.



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.

