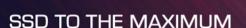




IRIDIUMPRO

SOLID STATE DRIVE

WHEN A PRO NEEDS SOMETHING MORE



Goodram Iridium Pro solid state drive delivers the best-in-class performance and reliability. Equipped with Toshiba A19 NAND flash and feature-packed Phison S10 quad-core controller, Iridium Pro is dedicated for everyone that need to be one-step ahead of the competition.

THE NEW DEFINITION OF RELIABILITY

With up to 2.0 mln hours of mean-time between failures and industry-leading endurance of up to 500GB/day for 5 years, Iridium Pro sets a new definition of reliability in the SSD world.

DATA SECURITY AT IT'S FINEST

Phison S10 controller provides full end-to-end data protection and proprietary technologies like SmartRefresh™, SmartFlush™ and GuaranteedFlush™. These features provide data safety and integrity in case of any sudden power drops or read disturbs.



FEATURES:

- Toshiba A19 NAND flash delivers unmatchable performance for desktop users, prosumers, gamers and mobile professionals.
- Industry-leading endurance and reliability with the combination of Multi-Level-Cell NAND Flash and quad-core controller.
- Phison S10 quad-core controller delivers the industry-leading sustained performance and low command latency, perfect for pro applications.
- Polished firmware enables full end-to-end data protection, data coherence and data safety mechanisms
- Slim 7mm housing, bundled with 2,5mm adapter for compatibility with both legacy and the latest slim form factor notebooks





GEOGR

480CB

PERFORMANCE

	12000	24000	46066	<u>3000B</u>
Baseline read speed ¹	560 MB/s	560 MB/s	560 MB/s	560 MB/s
Baseline write speed ¹	360 MB/s	535 MB/s	535 MB/s	535 MB/s
Incompressible data read ²	520 MB/s	550 MB/s	550 MB/s	550 MB/s
Incompressible data write ²	360 MB/s	520 MB/s	530 MB/s	530 MB/s
Random 4K read ³	86,500 IOPS	99,500 IOPS	99,500 IOPS	100,000 IOPS
Random 4K write ³	88,900 IOPS	88,000 IOPS	88,000 IOPS	89,800 IOPS

SAUCE

PHYSICAL

Capacities⁴ 120GB, 240GB, 480GB, 960GB

Form factor 2,5", 7mm slim (includes 2,5mm spacer)

Interface SATA III 6Gbps (backwards compatible with SATA II and SATA I)

NAND flash
Controller

Toshiba A19 MLC NAND flash
Quad-core Phison PS3110-S10

Cache memory 256MB DDRL3 (120GB, 240GB), 512MB DDRL3 (480GB), 1GB DDRL3 (960GB)

Dimensions 100.1 (L) x 69,9 (W) x 6,85mm (H)

Weight 50g (bare SSD)

RELIABILITY AND SECURITY

Endurance 300TB (120GB), 600TB (240GB), 800TB (480GB), 1000TB (960GB)

MTBF More than 2.0 million hours

ECC protection Up to 75 bits per 2KB

Data integrity protection End-to-end data protection, SmartRefresh™

Power loss protectionSmartFlush™, GuaranteedFlush™Warranty5 years with free e-mail support

ENVIRONMENTAL

Operating temperature $0^{\circ}\text{C} \sim 70^{\circ}\text{C}$ Storage temperature $-45^{\circ}\text{C} \sim 85^{\circ}\text{C}$

Power consumption Read: 2,3W, Write: 4,3W (average)

Certifications CE

PART ORDERING INFORMATION

PRODUCT NAME	CAPACITY	<u>PACKAGING</u>	PART NUMBER	<u>EAN</u>
GOODRAM Iridium Pro	120GB	Retail	SSDPR-IRIDPRO-120	5908267922217
	240GB		SSDPR-IRIDPRO-240	5908267922033
	480GB		SSDPR-IRIDPRO-480	5908267922040
	960GB		SSDPR-IRIDPRO-960	5908267922057

¹ BASED ON TESTS PERFORMED IN ATTO DISK BENCHMARK 2.47 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 CRYSTAL DISK MARK 3.0.3 ON SSD IN FOB (FRESH-OUT-OF-BOX) STATE, ACTUAL RESULTS MAY VARY DEPENDING ON YOUR SYSTEM CONFIGURATION OR SSD WEAR.

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.

⁴ STORAGE CAPACITY FOR GOODRAM SSD IS PROVIDED IN DECIMAL VALUES, I.E. 1GB = 1 000 000 BYTES. OPERATING SYSTEMS THAT USE THE BINARY CONVERSION, IE. 1GB = 1,073,741,824 BYTES, MAY SHOW LOWER STORAGE CAPACITY THAN PROVIDED IN THIS SPECIFICATION. FOR MORE INFORMATION ABOUT CAPACITIES VISIT WWW.GOODRAM.COM/SSD