SSD IRIDIUM PRO

Features

Ultra-fast Toshiba A19 MLC NAND

Reliable and efficient S10 controller

Unmatchable endurance

Capacities from 120 GB up to 960 GB

5-year warranty and free technical support

SSD to the maximum

GOODRAM Iridium Pro Solid State Drive delivers the best-in-class performance and reliability. Equipeed with Toshiba A19 MLC NAND Flash and feature-packed Phison S10 quad-core controller, Iridium Pro is dedicated for everyone that want to be one step ahead of the competition.

The new definition of reliability

With up to 2 million hours of mean-time between failures and industry-leading endurance, Iridium Pro sets a new definition for reliability in both consumer's and enthusiast's worlds of SSD. To back up this statement, Iridium Pro comes with 5 year warranty and free technical support.

Easy as ABC

Wide range of capacities, universal 7 mm slim housing with added 2,5 mm spacer, improved firmware for better compatibility with all types of laptops or desktops make Iridium Pro a perfect drop-in replacement for all users.

No more lags or slowing down

The idea behind GOODRAM Iridium Pro was to deliver a versatile SSD that will improve loading speeds and limit waiting times in different scenarios. Premium Toshiba NAND flash and quad-core Phison S10 controller help to avoid any bottlenecks and give your PC a serious performance punch.

Performance

Description	120 GB	240 GB	480 GB	960 GB
Baseline read speed [1]	560 MB/s	560 MB/s	560 MB/s	560 MB/s
Baseline write speed [1]	530 MB/s	530 MB/s	530 MB/s	530 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	520 MB/s
Random 4K read (IOPS) [3]	86.500	100.000	100.000	100.000
Random 4K write (IOPS) [3]	88.900	88.000	88.000	90.000

Physical

Capacities[4]	120, 240, 480, 960 GB
Dimensions	2,5", 7 mm height (100,1 x 69,9 x 6,85 mm)
Interface	SATA III 6 Gb/s (Backwards compatible with SATA II and I)
NAND Flash	Toshiba A19 MLC NAND Flash
Controller	Phison S10

Reliability and Environmental

MTBF	2 million hours
Data security	End-to-end data protection, SmartRefresh™, SmartFlush™, Guaranteed Flush™
Temperatures	Operating: 0 ~ 70°C; Storage: -45 ~ 85°C
ECC Protection	Up to 120 bits per 2 KB

Shipping information

Product	Capacity[4]	Packaging	P/N	EAN
SSD GOODRAM IRIDIUM PRO	120 GB	Retail pack Includes: SSD 2,5 mm spacer	SSDPR-IRIDPRO-120	5908267922217
	240 GB		SSDPR-IRIDPRO-240	5908267922033
	480 GB		SSDPR-IRIDPRO-480	5908267922040
	960 GB		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.
[3] 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 = 1 000 000 000 bytes. Operating systems that use the binary conversion, ie. 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/SSD.