



IRDM PRO

Main features

- Ultra-fast Toshiba MLC NAND
- Reliable and efficient S10 controller
- Unmatchable endurance
- Capacities from 240GB up to 960GB
- 5-year warranty and free technical support



Performance

Parameter	240 GB	480 GB	960 GB
Baseline read speed ¹	560MB/s	560MB/s	560MB/s
Baseline write speed ¹	530MB/s	530MB/s	530MB/s
Incompressible data read ²	550MB/s	550MB/s	550MB/s
Incompressible data write ²	520MB/s	530MB/s	520MB/s
Random 4K read (IOPS) ³	100.000	100.000	100.000
Random 4K write (IOPS) ³	88.000	88.000	90.000

Physical Parameters

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

Reliability and Environment

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

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.



Ordering information

Product	Capacity	Packaging	P/N	EAN
SSD IRDM PRO	240 GB	Includes: SSD, 2.5 mm spacer	IRP-SSDPR-S25B-240	5908267922897
	480 GB		IRP-SSDPR-S25B-480	5908267922712
	960 GB		IRP-SSDPR-S25B-960	5908267922903

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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.

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