

SSD CX300

Key Features

- TLC NAND Flash
- Phison S11 controller
- Perfect for everyday use
- Capacities between 120GB and 960GB
- 3-year warranty with free technical support



Your PC Is Like New Now

With the combination of fast NAND flash memory and Phison S11 controller, GOODRAM CX300 is a perfect solution for all users, that would like to migrate from legacy hard drive to a next-generation Solid State Drive and give one more chance to their old PC or laptop.

Easy Replacement

GOODRAM CX300 is available in the most common format - 2,5", which eases the migration from traditional hard drive. Slim, 7mm housing enables to mount SSD in the newest laptops and ultrabooks. Each SSD comes with 2,5mm spacer to enable installation of CX300 in PC with 9,5mm bay.

Good and Stable

GOODRAM CX300 is a combination of reliable components and stable firmware. Years of experience enabled us to create a drive that offers both performance and reliability that will enable CX300 to serve you for many years to come.

No slowing down

All technologies built in new Phison S11 controller, ensures that user will not feel and slowdowns during everyday work. GOODRAM CX300 offers stable performance no matter what kind of work is being done.

Performance

Parameter	120/128GB ¹	240/256GB ¹	480/512GB ¹	960/1024GB ¹
Baseline data read speed ²	555 MB/s	555 MB/s	555 MB/s	555 MB/s
Baseline data write speed ²	540 MB/s	540 MB/s	540 MB/s	540 MB/s
Incompressible data read speed ³	550 MB/s	550 MB/s	550 MB/s	550 MB/s
Incompressible data write speed ³	450 MB/s	460 MB/s	470 MB/s	490 MB/s
Random 4K read speed (IOPS) ⁴	85.000	86.000	88.000	80.000
Random 4K write speed (IOPS) ⁴	81.000	80.000	83.000	75.000

Physical

Capacities ^{1, 4}	120, 240, 480, 960GB (for 128, 256, 512, 1024GB, please see notes)
Dimensions	2,5", 7mm slim (including 2,5mm spacer)
Interface	SATA III (6 Gb/s). Backwards compatible with SATA II and I
Flash memory	TLC NAND Flash
Controller	Phison S11

Reliability and Environmental

MTBF	2 million hours
Security	SmartECC™, SmartFlush™, Guaranteed Flush™, SmartZIP™
Temperature	Operational: 0 ~ 70°C; Storage: -45 ~ 85°C
Warranty	3 year with free technical support

Shipping data

Product	Capacity ⁵	Packaging	P/N	EAN
GOODRAM CX300	120GB	Retail packaging includes: SSD 2,5mm spacer	SSDPR-CX300-120	5908267922392
	240GB		SSDPR-CX300-240	5908267922408
	480GB		SSDPR-CX300-480	5908267922415
	960GB		SSDPR-CX300-960	5908267922422

¹ Full capacities e.g. 128/256/512/1024GB are available on special request, for special deals only. Please contact your sales representative to learn more.

² 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.

³ 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.

⁴ 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.

⁵ 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, i.e. 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.