SSD CX300

Key Features

15 nm Toshiba TLC NAND

Phison S11 controller

Perfect for everyday use

Capacities between 120 GB and 960 GB

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.

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.

Easy replacement

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

No slowing down

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

Performance

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

Physical

Capacities [4]	120, 240, 480, 960 GB
Dimensions	2,5", 7 mm slim (including 2,5 mm spacer)
Interface	SATA III (6 Gb/s). Backwards compatible with SATA II and I
Flash memory	15 nm TLC NAND Flash
Controller	Phison S11

Reliability and environmental parameters

MTBF	2 million hours
Security	SmartECC™, SmartFlush™, Guaranteed Flush™, SmartZIP™
Temperature	Operational: from 0 to 60°C; Storage: from -45 to 70°C
Warranty	3 years of free technical support

Shipping data

Product	Capacity[4]	Packaging	P/N	EAN
GOODRAM CX300	120 GB	Retail packaging includes: SSD 2,5mm spacer	SSDPR-CX300-120	590826792392
	240 GB		SSDPR-CX300-240	590826792408
	480 GB		SSDPR-CX300-480	590826792415
	960 GB		SSDPR-CX300-960	590826792422

[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. 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.