

SSD



CX100

SOLID STATE DRIVE



EASIEST WAY TO UPGRADE YOUR STORAGE

ALL-IN-ONE PACKAGE

GOODRAM CX100 Solid State Drive delivers a combination of all SSD advantages and competitive pricing. Based on next-generation Toshiba TLC NAND Flash and Phison S10 controller, GOODRAM CX100 is designed to eliminate the biggest performance bottleneck of all modern platforms, which is caused by the legacy hard drive disks.

EASY WAY TO UPGRADE FROM HDD

GOODRAM CX100 comes in thin 7mm 2,5" form factor with spacer for compatibility with 9,5mm bay. All these features make the SSD an easy drop-in replacement for your current legacy storage. Achieving the increased responsiveness, reduced booting time and longer battery life, was never that easy.

FEATURES:

- Next-generation Toshiba Triple Level Cell NAND Flash delivers up to 560 MB/s read and 530MB/s write
- Reliable and powerful quad-core Phison S10 controller
- Combination of energy-efficient components
- Three-year warranty and free technical support

PERFORMANCE

	120GB	240GB	480GB	960GB
Baseline read speed ¹	560 MB/s	560 MB/s	560 MB/s	560 MB/s
Baseline write speed ¹	420 MB/s	500 MB/s	540 MB/s	540 MB/s
Incompressible data read ²	490 MB/s	500 MB/s	530 MB/s	510 MB/s
Incompressible data write ²	380 MB/s	475 MB/s	500 MB/s	310 MB/s
Random 4K read [IOPS] ³	69,000	82,000	88,000	88,000
Random 4K write [IOPS] ³	26,000	39,000	60,000	70,000

PHYSICAL

Capacities ⁴	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	Next Generation Toshiba A19 TLC NAND flash
Controller	Phison PS3110-S10
Cache memory	Up to 1GB DDR3L (960GB)
Dimensions	100.1 [L] x 69,9 [W] x 6,85mm [H]

RELIABILITY AND SECURITY

MTBF	More than 2.0 million hours
ECC protection	Up to 120 bits per 2KB
Data integrity protection	SmartRefresh™, End to End Data Protection, SmartECC™
Power loss protection	SmartFlush™, GuaranteedFlush™
Warranty	3 years with free technical support

ENVIRONMENTAL

Operating temperature	0°C ~ 70°C
Storage temperature	-45°C ~ 85°C
Power consumption	Up to: < 3,500mW (active); <470mW (idle)
Certifications	CE

PART ORDERING INFORMATION

PRODUCT NAME	CAPACITY	PACKAGING	PART NUMBER	EAN
GOODRAM CX100	120GB	Retail (with spacer)	SSDPR-CX100-120	5908267922156
	240GB		SSDPR-CX100-240	5908267922163
	480GB		SSDPR-CX100-480	5908267922170
	960GB		SSDPR-CX100-960	5908267922187

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, 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