

Intel 320 1.8" 160 GB Serial ATA III MLC

Brand : Intel

Product code: SSDSA1NW160G301

Product name : 320



SSD 320 Series (160GB, 2.5in SATA 3Gb/s, 25nm, MLC)

Intel 320. SSD capacity: 160 GB, SSD form factor: 1.8", Read speed: 270 MB/s, Write speed: 165 MB/s, Data transfer rate: 3 Gbit/s

Features		Operational conditions	
Security algorithms	128-bit AES	Operating vibration	2.17 G
SSD form factor *	1.8"	Non-operating vibration	3.13 G
SSD capacity *	160 GB	Operating shock	1500 G
Interface *	Serial ATA III	Non-operating shock	1500 G
Memory type *	MLC	Weight & dimensions	
Data transfer rate	3 Gbit/s	Height	5 mm
Read speed	270 MB/s	Weight	49 g
Write speed	165 MB/s	Other features	
Random read (100% span)	39000 IOPS	Product colour	Silver
Random write (100% span)	600 IOPS	Internal	✓
Seek time	0.1 ms	Processor lithography	25 nm
Read latency	75 µs	Born on date	Q2'11
Write latency	90 µs	Drive capacity	160 GB
Lithography	25 nm	Launch date	Q2'11
S.M.A.R.T. support	✓	Product name	Intel SSD 320 Series (160GB, 1.8in microSATA 3Gb/s, 25nm, MLC)
TRIM support	✓	Random write (8GB span)	21000 IOPS
Enhanced Power Loss Data Protection technology	✓	SSD components	Intel NAND Flash Memory Multi-Level Cell (MLC) Technology
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁶ bits read	SSD power consumption (active)	150 mw (MobileMark 2007 Workload), 3.0 W (64K Sequential Write)
Mean time between failures (MTBF)	1200000 h	SSD power consumption (idle)	100 mw (DIPM), .7 W (Non-DIPM)
Market segment	Mobile	SSD shock	1,500 G/.5 msec
SSD ARK ID	56564	SSD weight	up to 49 ± 2 grams
Power		Sequential reading	270 MB/s
Operating voltage	3.3 V	Sequential writing speed	165 MB/s
Operational conditions		Status	Discontinued
Operating temperature (T-T)	0 - 70 °C	Random read (8GB span)	39000 IOPS
Storage temperature (T-T)	-55 - 95 °C	Last change	63903513
		Product family	Legacy consumer SSD
		Product series	Intel 320
		Product codename	Postville Refresh



0735858218436



735858218436

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.