

Kingston KC600 Desktop/Notebook Upgrade Kit - SSD - 256 GB - SATA 6Gb/s



06-05-2024

SKU	SKC600B/256G
Product Description:	Kingston KC600 Desktop/Notebook Upgrade Kit - SSD - 256 GB - SATA 6Gb/s
Type:	Solid state drive - internal
Capacity:	256 GB
Hardware Encryption:	Yes
Encryption Algorithm:	256-bit AES
NAND Flash Memory Type:	3D triple-level cell (TLC)
Form Factor:	2.5"



General

Device Type:	Solid state drive - internal
Capacity:	256 GB
Hardware Encryption:	Yes
Encryption Algorithm:	256-bit AES
NAND Flash Memory Type:	3D triple-level cell (TLC)
Form Factor:	2.5"
Interface:	SATA 6Gb/s
Features:	3D NAND Technology, eDrive, Silicon Motion SM2259 controller
Width:	69.85 mm
Depth:	100.1 mm
Height:	7 mm
Weight:	40 g

Performance

SSD Endurance:	150 TB
Drive Transfer Rate:	600 MBps (external)
Internal Data Rate:	550 MBps (read) / 500 MBps (write)
Maximum 4KB Random Write:	80000 IOPS
Maximum 4KB Random Read:	90000 IOPS

Reliability

MTBF:	1,000,000 hours
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Environmental Parameters

Min Operating Temperature:	0 °C
Max Operating Temperature:	70 °C
Min Storage Temperature:	-40 °C
Max Storage Temperature:	85 °C
Vibration Tolerance (operating):	2.17 g @ 7-800 Hz
Vibration Tolerance (non-operating):	20 g @ 10-2000 Hz

Manufacturer Warranty

Service & Support:	Limited warranty - 5 years Technical support
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Miscellaneous

Included Accessories:	Screw package, 3.5-inch bay adapter, 2.5" USB enclosure, 7 mm to 9.5 mm adapter
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Cables Included:	1 x Serial ATA cable - internal
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Mounting Kit:	Included
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Power

Power Consumption:	0.2 Watt (average) 0.06 Watt (idle) 1.3 Watt (read) 3.2 Watt (write)
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Expansion & Connectivity

Interfaces:	1 x SATA 6 Gb/s - 7 pin Serial ATA
Compatible Bay:	2.5"