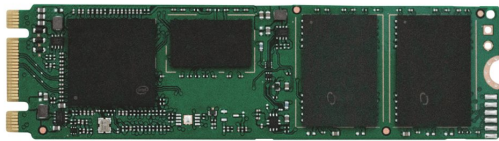


Intel Solid-State Drive 545S Series - SSD - 128 GB - SATA 6Gb/s



24-05-2024

SKU	SSDSCKKW128G8X1
Product Description:	Intel Solid-State Drive 545S Series - SSD - 128 GB - SATA 6Gb/s
Type:	Solid state drive - internal
Capacity:	128 GB
Hardware Encryption:	Yes
Encryption Algorithm:	256-bit AES
NAND Flash Memory Type:	3D triple-level cell (TLC)
Form Factor:	M.2 2280



General

Device Type:	Solid state drive - internal
Capacity:	128 GB
Hardware Encryption:	Yes
Encryption Algorithm:	256-bit AES
NAND Flash Memory Type:	3D triple-level cell (TLC)
Form Factor:	M.2 2280
Interface:	SATA 6Gb/s
Features:	Smart Response Technology, End-to-end data protection, Rapid Start Technology
Weight:	5 g

Environmental Parameters

Min Operating Temperature:	0 °C
Max Operating Temperature:	70 °C
Shock Tolerance (operating):	1500 g @ 0.5 ms
Shock Tolerance (non-operating):	1500 g @ 0.5 ms

Manufacturer Warranty

Service & Support:	Limited warranty - 5 years
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Power

Power Consumption:	4.5 Watt (active) 40 mW (idle)
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Expansion & Connectivity

Interfaces:	1 x SATA 6 Gb/s
Compatible Bay:	M.2 2280

Reliability

MTBF:	1,600,000 hours
Non-Recoverable Errors:	1 per 10 ¹⁵

Performance

SSD Endurance:	72 TB
Drive Transfer Rate:	600 MBps (external)
Internal Data Rate:	440 MBps
4KB Random Read:	70000 IOPS
4KB Random Write:	80000 IOPS
Average Latency:	50 µs

