

Intel Solid-State Drive 760P Series - SSD - 256 GB - PCIe 3.0 x4 (NVMe)



26-09-2024

SKU	SSDPEKKW256G8XT
Product Description:	Intel Solid-State Drive 760P Series - SSD - 256 GB - PCIe 3.0 x4 (NVMe)
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:	M.2 2280



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:	M.2 2280
Interface:	PCIe 3.0 x4 (NVMe)
Features:	End-to-end data protection, Rapid Start Technology, Intel Smart Response Technology (ISRT)
Weight:	10 g

Performance

SSD Endurance:	144 TB
Internal Data Rate:	3210 MBps (read) / 1315 MBps (write)
4KB Random Read:	205000 IOPS
4KB Random Write:	265000 IOPS

Environmental Parameters

Min Operating Temperature:	0 °C
Max Operating Temperature:	70 °C
Shock Tolerance (operating):	1000 g
Shock Tolerance (non-operating):	1000 g
Vibration Tolerance (operating):	2.17 g
Vibration Tolerance (non-operating):	3.13 g

Manufacturer Warranty

Service & Support:	Limited warranty - 5 years
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Power

Power Consumption:	50 mW (active) 25 mW (idle)
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Expansion & Connectivity

Interfaces:	1 x PCI Express 3.0 x4 (NVMe)
Compatible Bay:	M.2 2280

Reliability

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

