

Intel DC P4600 2.5" 1.6 TB PCI Express 3.1 3D TLC NVMe

Brand : Intel

Product code: SSDPE2KE016T701

Product name : DC P4600

SSD DC P4600 Series (1.6TB, 2.5in PCIe 3.1 x4, 3D1, TLC)
 Intel DC P4600. SSD capacity: 1.6 TB, SSD form factor: 2.5", Read speed: 3290 MB/s, Write speed: 1390 MB/s, Component for: Server/workstation



Features		Brand-specific features	
NAND flash type	TLC (Triple Level Cell)	Intel® Rapid Start Technology	✗
NVMe version	1.2	Intel® Remote Secure Erase	✗
Security algorithms	256-bit AES	Intel® Smart Response Technology	✗
SSD form factor *	2.5"	Intel Smart Response Technology version	0.00
SSD capacity *	1.6 TB	Operational conditions	
Interface *	PCI Express 3.1	Operating temperature (T-T)	0 - 35 °C
Memory type *	3D TLC	Operating vibration	2.17 G
NVMe *	✓	Non-operating vibration	3.13 G
Component for *	Server/workstation	Operating shock	1000 G
Hardware encryption *	✓	Non-operating shock	1000 G
Read speed	3290 MB/s	Weight & dimensions	
Write speed	1390 MB/s	Height	15 mm
Random read (100% span)	587000 IOPS	Weight	134 g
Random write (100% span)	184000 IOPS	Other features	
Read latency	79 µs	Product colour	Silver
Write latency	34 µs	Cooling type	Heatsink
PCI Express interface data lanes	x4	Drive capacity	1.6 TB
End-to-End Data Protection	✓	Launch date	Q2'17
Enhanced Power Loss Data Protection technology	✓	Product brief URL	http://www.intel.com/content/www/us/en/solid-state-drives/ssd-dc-p4600-brief.html
SSD temperature monitoring	✓	SSD endurance rating	8.99 PBW
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 ¹⁷ bits read	SSD hardware encryption	AES 256 bit
Mean time between failures (MTBF)	2000000 h	SSD power consumption (active)	Sequential Avg. 14.2W (Write), 9W (Read)
TBW rating	8520	SSD power consumption (idle)	<5 W
Market segment	Server	SSD shock	1000 G/0.5 msec
SSD usage tag	Data center	SSD weight	131 g
SSD ARK ID	97005	Sequential reading	3200 MB/s
Compatible products	Intel Server System R1208WFTYS, R2208WF0ZS, R2208WFTZS, R2224WFTZS, R2308WFTZS, R2312WF0NP, R2312WFTZS	Sequential writing speed	1325 MB/s
		Status	Launched
		Last change	63903513
		Intel Rapid Start Technology version	0.00
		Remote Secure Erase (RSE) technology version	0.00
		Product family	Data center SSD
		Product series	Intel® SSD DC P4600 Series
		Product codename	Cliffdale
Power			
Power consumption (read)	8.46 W		

Power

Power consumption (write)	13.87 W
Power consumption (idle)	5 W

Brand-specific features

Intel High Endurance Technology (HET) ✓



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