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	
NAND flash type	TLC (Triple Level Cell)
NVMe version	1.2
Security algorithms	256-bit AES
SSD form factor *	2.5"
SSD capacity *	1.6 TB
Interface *	PCI Express 3.1
Memory type *	3D TLC
NVMe *	✓
Component for *	Server/workstation
Hardware encryption *	✓
Read speed	3290 MB/s
Write speed	1390 MB/s
Random read (100% span)	587000 IOPS
Random write (100% span)	184000 IOPS
Read latency	79 µs
Write latency	34 µs
PCI Express interface data lanes	x4
End-to-End Data Protection	✓
Enhanced Power Loss Data Protection technology	✓
SSD temperature monitoring	✓
Uncorrectable Bit Error Rate (UBER)	< 1 per 10^17 bits read
Mean time between failures (MTBF)	2000000 h
TBW rating	8520
Market segment	Server
SSD usage tag	Data center
SSD ARK ID	97005
Compatible products	Intel Server System R1208WFTYS, R2208WF0ZS, R2208WFTZS, R2224WFTZS, R2308WFTZS, R2312WF0NP, R2312WFTZS

Power	
Power consumption (read)	8.46 W

Brand-specific features	
Intel® Rapid Start Technology	✗
Intel® Remote Secure Erase	✗
Intel® Smart Response Technology	✗
Intel Smart Response Technology version	0.00

Operational conditions	
Operating temperature (T-T)	0 - 35 °C
Operating vibration	2.17 G
Non-operating vibration	3.13 G
Operating shock	1000 G
Non-operating shock	1000 G

Weight & dimensions	
Height	15 mm
Weight	134 g

Other features	
Product colour	Silver
Cooling type	Heatsink
Drive capacity	1.6 TB
Launch date	Q2'17
Product brief URL	http://www.intel.com/content/www/us/en/solid-state-drives/ssd-dc-p4600-brief.html
SSD endurance rating	8.99 PBW
SSD hardware encryption	AES 256 bit
SSD power consumption (active)	Sequential Avg. 14.2W (Write), 9W (Read)
SSD power consumption (idle)	<5 W
SSD shock	1000 G/0.5 msec
SSD weight	131 g
Sequential reading	3200 MB/s
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 (write)	13.87 W
Power consumption (idle)	5 W
Brand-specific features	
Intel High Endurance Technology (HET)	✓

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