

# Intel DC P4600 Half-Height/Half-Length (HH/HL) 2 TB PCI Express 3.1 3D TLC NVMe

**Brand :** Intel

**Product code:** SSDPEDKE020T701

**Product name :** DC P4600

SSD DC P4600 Series 2.0TB, 1/2 Height PCIe 3.1 x4, 3D1, TLC  
 Intel DC P4600. SSD capacity: 2 TB, SSD form factor: Half-Height/Half-Length (HH/HL), Read speed: 3200 MB/s, Write speed: 1575 MB/s, Component for: Server/workstation



Features		Brand-specific features	
NAND flash type	TLC (Triple Level Cell)	Intel® Remote Secure Erase	✗
NVMe version	1.2	Intel® Smart Response Technology	✗
Security algorithms	256-bit AES	Intel Smart Response Technology version	0.00
SSD form factor *	Half-Height/Half-Length (HH/HL)	Operational conditions	
SSD capacity *	2 TB	Operating temperature (T-T)	0 - 35 °C
Interface *	PCI Express 3.1	Maximum operating temperature	35 °C
Memory type *	3D TLC	Operating vibration	2.17 G
NVMe *	✓	Non-operating vibration	3.13 G
Component for *	Server/workstation	Operating shock	50 G
Hardware encryption *	✓	Non-operating shock	50 G
Read speed	3200 MB/s	Operating / non-operating shock	50 G Trapezoidal, 170 in/s
Write speed	1575 MB/s	Weight & dimensions	
Random read (100% span)	610000 IOPS	Weight	182 g
Random write (100% span)	196650 IOPS	Logistics data	
Read latency	82 µs	Harmonized System (HS) code	84717070
Write latency	30 µs	Other features	
PCI Express interface data lanes	x4	Product colour	Silver
End-to-End Data Protection	✓	Cooling type	Heatsink
Enhanced Power Loss Data Protection technology	✓	Drive capacity	2 TB
SSD temperature monitoring	✓	Launch date	Q2'17
Temperature monitoring and logging	✓	Product brief URL	<a href="http://www.intel.com/content/www/us/en/solid-state-drives/ssd-dc-p4600-brief.html">http://www.intel.com/content/www/us/en/solid-state-drives/ssd-dc-p4600-brief.html</a>
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>17</sup> bits read	SSD endurance rating	11.08 PBW
Mean time between failures (MTBF)	2000000 h	SSD hardware encryption	AES 256 bit
Market segment	Server	SSD power consumption (active)	Sequential Avg. 17W (Write), 9.4W (Read)
SSD usage tag	Data center	SSD power consumption (idle)	<5 W
SSD ARK ID	96999	SSD shock	50 G Trapezoidal, 170 in/s
Compatible products	Intel Server System R1208WFTYS, R2208WF0ZS, R2208WFTZS, R2224WFTZS, R2308WFTZS, R2312WF0NP, R2312WFTZS	SSD weight	182 g
		Sequential reading	3200 MB/s
		Sequential writing speed	1575 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)	9.4 W		

**Power**

Power consumption (write)	17 W
Power consumption (idle)	5 W

**Brand-specific features**

Intel High Endurance Technology (HET)	✓
Intel® Rapid Start Technology	✗



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