

## Intel D7 -P5510 U.2 3.84 TB PCI Express 4.0 3D TLC NAND NVMe

**Brand :** Intel

**Product family:** D7

**Product code:**  
SSDPF2KX038TZ01

**Product name :** Intel® SSD  
D7-P5510 Series (3.84TB, 2.5in  
PCIe 4.0 x4, 3D4, TLC)



SSDPF2KX038TZ01

Intel D7 -P5510. SSD capacity: 3.84 TB, SSD form factor: U.2, Component for: Server/workstation

Features		Features	
Security algorithms	256-bit AES	Commodity Classification	
SSD form factor *	U.2	Automated Tracking System (CCATS)	G162706L1
SSD capacity *	3.84 TB	<b>Power</b>	
Interface *	PCI Express 4.0	Power consumption (idle)	5 W
Memory type *	3D TLC NAND	<b>Brand-specific features</b>	
NVMe *	✓	Intel High Endurance Technology (HET)	✗
Component for *	Server/workstation	Intel® Rapid Start Technology	✗
Hardware encryption *	✓	Intel® Remote Secure Erase	✗
Random read (100% span)	700000 IOPS	Intel® Smart Response Technology	✗
Random write (100% span)	170000 IOPS	<b>Operational conditions</b>	
Random latency - read (up to)	82 µs	Operating temperature (T-T)	0 - 70 °C
Random latency - write (up to)	15 µs	Maximum operating temperature	70 °C
Sequential latency - read (up to)	10 µs	Operating vibration	2.17 G
Sequential latency - write (up to)	13 µs	Non-operating vibration	3.13 G
Read latency	82 µs	<b>Weight &amp; dimensions</b>	
Write latency	15 µs	Weight	138 g
End-to-End Data Protection	✓	<b>Logistics data</b>	
Enhanced Power Loss Data Protection technology	✓	Harmonized System (HS) code	84717070
SSD temperature monitoring	✓	<b>Other features</b>	
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>17</sup> bits read	Internal memory type	PCIe 4.0 x4, NVMe
Mean time between failures (MTBF)	2000000 h	Launch date	Q4'20
SSD ARK ID	205379	SSD endurance rating	Up to 7.0PBW (JESD219 workload)
Export Control Classification Number (ECCN)	5A992C	SSD shock	1000G,0.5ms
		Sequential reading	6500 MB/s
		Sequential writing speed	3400 MB/s
		Status	Launched
		Processor family	Intel SSD D7



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