

# Intel Optane SSD 800P M.2 118 GB PCI Express 3.0 3D XPoint NVMe

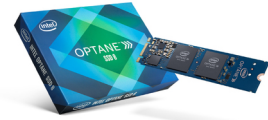
**Brand :** Intel

**Product family:** Optane

**Product code:**  
SSDPEK1W120GAXT

**Product name :** SSD 800P

Optane SSD 800P Series 118GB, M.2 80mm PCIe 3.0, 3D Xpoint, Retail Box, 10 Pack  
Intel Optane SSD 800P. SSD capacity: 118 GB, SSD form factor: M.2, Read speed: 1450 MB/s, Write speed: 640 MB/s, Component for: PC/Laptop



Features		Power	
SSD form factor *	M.2	Power consumption (read)	3.75 W
SSD capacity *	118 GB	Power consumption DevSlp (device sleep)	8 mW
Interface *	PCI Express 3.0	<b>Brand-specific features</b>	
Memory type *	3D XPoint	Intel® Optane™	✓
NVMe *	✓	Intel® Rapid Start Technology	✓
Component for *	PC/Laptop	<b>Operational conditions</b>	
Read speed	1450 MB/s	Operating temperature (T-T)	0 - 85 °C
Write speed	640 MB/s	Operating vibration	2.17 G
Random read (4KB)	250000 IOPS	Non-operating vibration	3.13 G
Random write (4KB)	145000 IOPS	Operating shock	1000 G
Random read (100% span)	250000 IOPS	Non-operating shock	1000 G
Random write (100% span)	145000 IOPS	<b>Weight &amp; dimensions</b>	
Read latency	7 µs	Width	22 mm
Write latency	18 µs	Depth	80 mm
PCI Express interface data lanes	x2	Weight	10 g
End-to-End Data Protection	✓	<b>Other features</b>	
SSD temperature monitoring	✓	Product colour	Black, Blue
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>15</sup> bits read	Launch date	Q1'18
Mean time between failures (MTBF)	1600000 h	Status	Launched
TBW rating	365	Product family	Consumer SSD
SSD usage tag	Consumer	Product series	Intel Optane SSD 800P
SSD ARK ID	125298	Product codename	Brighton Beach



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