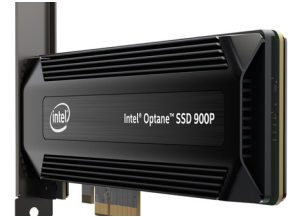
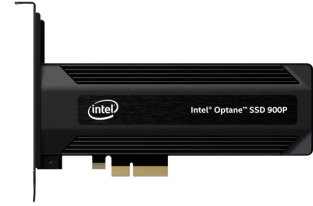


# Intel SSDPED1D280GASX internal solid state drive Half-Height/Half-Length (HH/HL) 280 GB PCI Express 3.0 3D XPoint NVMe

**Brand :** Intel

**Product code:** SSDPED1D280GASX

**Product name :** SSDPED1D280GASX



Optane SSD 900P Series (280GB, 1/2 Height PCIe x4, 20nm, 3D Xpoint)  
Intel SSDPED1D280GASX. SSD capacity: 280 GB, SSD form factor: Half-Height/Half-Length (HH/HL), Read speed: 2500 MB/s, Write speed: 2000 MB/s, Component for: PC

Features		Power	
Security algorithms	256-bit AES	Power consumption (idle)	5 W
SSD form factor *	Half-Height/Half-Length (HH/HL)	Operational conditions	
SSD capacity *	280 GB	Operating temperature (T-T)	0 - 70 °C
Interface *	PCI Express 3.0	Maximum operating temperature	70 °C
Memory type *	3D XPoint	Operating vibration	2.17 G
NVMe *	✓	Non-operating vibration	3.13 G
Component for *	PC	Operating shock	50 G
Hardware encryption *	✓	Non-operating shock	50 G
Read speed	2500 MB/s	Operating / non-operating shock	50 G (11ms)
Write speed	2000 MB/s	Weight & dimensions	
Random read (100% span)	550000 IOPS	Weight	230 g
Random write (100% span)	500000 IOPS	Logistics data	
Read latency	10 µs	Harmonized System (HS) code	8523510000
Write latency	10 µs	Other features	
Lithography	20 nm	Product colour	Black
PCI Express interface data lanes	x4	Power consumption (active)	14 W
PCI Express CEM revision	3.0	Launch date	Q4'17
Enhanced Power Loss Data Protection technology	✗	Product brief URL	<a href="https://www.intel.com/content/www/us/en/solid-state-drives/optane-ssd-900p-brief.html">https://www.intel.com/content/www/us/en/solid-state-drives/optane-ssd-900p-brief.html</a>
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>17</sup> bits read	Random write (8GB span)	500000 IOPS
Mean time between failures (MTBF)	1600000 h	SSD endurance rating	5.11 PB written
SSD ARK ID	123628	SSD power consumption (idle)	5W
Export Control Classification Number (ECCN)	5A992C	SSD shock	50 G (11ms)
Commodity Classification Automated Tracking System (CCATS)	G149950	Sequential reading	2500 MB/s
Power		Sequential writing speed	2000 MB/s
Power consumption (max)	14 W	Status	Launched
		Random read (8GB span)	550000 IOPS
		Product family	Enthusiast SSDs
		Product series	Intel® Optane™ SSD 900P Series
		Product codename	Mansion Beach



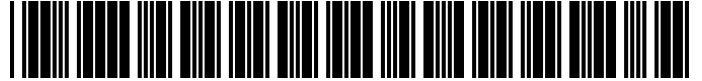
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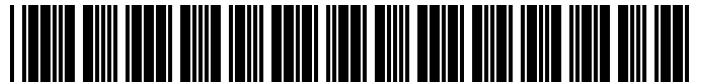
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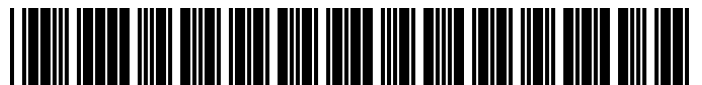
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