










INTEL® DATA CENTRE STORAGE SOLUTIONS

Cloud Inspired. Storage Optimized. The most responsive datacentre storage in the world.





SOLID STATE DRIVES

Eliminate bottlenecks with the best server storage solutions. Modernize infrastructure to keep up with the demands of digital business. Intel® SSDs for the datacentre are optimized for performance, reliability and endurance.

	P4800X	P4501	P4500	P4600	P4510	P3520	S4500	S4600	S3520
									
Form Factor	2.5" SSD	2.5" SSD	2.5" SSD	2.5" SSD	2.5" SSD	2.5" SSD	2.5" SSD	2.5" SSD	2.5" SSD
Interface	PCIe Gen 3.0 x4	PCIe Gen 3.1 x4	PCIe Gen 3.1 x4	PCIe Gen 3.0 x4	PCIe Gen 3.1 x4	PCIe Gen 3.0 x4	SATA 3	SATA 3	SATA 3
NAND Flash	-	3D	3D	3D	3D	3D	3D	3D	3D MLC
Capacity	375GB - 1.5TB*	500GB - 4TB	1TB - 4TB	1.6TB - 3.2TB	1TB, 2TB	450GB - 2TB	240GB - 3.8TB	240GB - 2TB	150GB - 2TB
64K Sequential R/W (MAX)	2,400 / 2,200	3,200 / 900	3,290 / 1,890	3,280 / 2,100	3,290 / 1,140	1,700 / 1,350	500 / 490	500 / 490	450 / 380
4k Random IOPS (R/W)	550k / 500k	360k / 46k	710k / 68k	702k / 257k	280 / 30k	375k / 26k	72k / 33k	72k / 65k	67.5k / 17k
Encryption	AES 256-bit	AES 256-bit	AES 256-bit	AES 256-bit	AES 256-bit	AES 256-bit	AES 256-bit	AES 256-bit	AES 256-bit
Operating Temp.	0°C - 70°C	0°C - 70°C	0°C - 70°C	0°C - 70°C	0°C - 70°C	0°C - 70°C	0°C - 70°C	0°C - 70°C	0°C - 70°C
S.M.A.R.T	✓	✓	✓	✓	✓	✓	✓	✓	✓
Power Protection	✓	✓	✓	✓	✓	✓	✓	✓	✓
Data Protection	✓	✓	✓	✓	✓	✓	✓	✓	✓
Endurance JEDEC	30 DWPD	1 DWPD	0.7 DWPD	2.9 DWPD	≥1.2 DWPD-	1 DWPD	1 DWPD	3 DWPD	1 DWPD
Endurance (sequential)	-	3 DWPR	4.6 DWPD	4 DWPD	-	1 DWPD	1 DWPD	3 DWPD	1 DWPD
Warranty	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years	5 years

*Coming soon

Simms is an official Intel Technology Provider giving our customers an even wider choice of solutions for the enterprise market. Intel® Solid State Drives set the standard for storage performance, stability, efficiency and low power consumption.

	P4800X 	P3520 	P4500 	P4600 	P4501 	P3100 	S3520 
Form Factor	HHHL AIC	HHHL AIC	HHHL AIC	HHHL AIC	M.2	M.2	M.2
Interface	PCIe Gen3.0 x4	PCIe Gen 3.1 x4	PCIe Gen 3.1 x4	PCIe Gen3.1 x4	PCIe Gen 3.1 x4	PCIe Gen3.0 x4	SATA 3
NAND Flash	-	3D	3D	3D	3D	3D	3D
Capacity	375GB & 750GB	1.2TB	4TB	2TB & 4TB	1TB & 2TB	128GB - 1TB	150GB- -960GB
64K Sequential R/W (MAX)	2,400 / 2,200	1,700 / 1,350	3,290 / 1,890	3,280 / 2,100	3,200 / 900	1,800 / 175	450 / 400
4k Random IOPS (R/W)	550k / 500k	375k / 26k	710k / 68k	702k / 257k	360k / 46k	1800k / 10k	67.5k / 17.5k
Encryption	AES 256-bit	AES 256-bit	AES 256-bit	AES 256-bit	AES 256-bit	AES 256-bit	AES 256-bit
Operating Temp.	0°C - 70°C	0°C - 70°C	0°C - 70°C	0°C - 70°C	0°C - 70°C	0°C - 70°C	0°C - 70°C
S.M.A.R.T	✓	✓	✓	✓	✓	✓	✓
Power Protection	✓	✓	✓	✓	✓	✓	✓
Data Protection	✓	✓	✓	✓	✓	✓	✓
Endurance JEDEC	30 DWPD	1 DWPD	0.7 DWPD	2.9 DWPD	1 DWPD	-	>1 DWPD
Warranty	5 years	5 years	5 years	5 years	5 years	5 years	5 years



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