Data Sheet
Intel® PCIe-SSD P3700 Series

Accelerate the performance of I/O intensive applications

A solid-state drive (SSD) is a data storage device with outstanding performance that uses solid-state memory to store persistent data with the intention of providing fast access in the same manner of traditional hard disk drives. Solid State Storage Technology can provide customer benefits in several different areas and with different architecture implementations. It offers high performance and reliability with no moving parts, low power requirements and improved environmental tolerance. SSD technology benefits are best realized with latency- sensitive environments for both read- and write- intensive workloads.

PCIe-SSD P3700 Series

The Intel® Solid-State Drive Data Center Family for PCIe brings extreme data throughput directly to Intel® Xeon® processors with up to six times faster data transfer speed than 6 Gbps SAS/SATA SSDs. The performance of a single drive from the Intel SSD Data Center Family for PCIe, specifically the Intel® Solid-State Drive Data Center P3700 Series (460K IOPS), can replace the performance of 7 SATA SSDs aggregated through a host bus adapter (HBA) (approximately 500K IOPS).

Main Features	Benefits
■ A new Non-Volatile Memory Express (NVMe) storage interface standard modernizes data center storage.	■ NVMe overcomes SAS/SATA SSD performance limitations by optimizing hardware and software to take full advantage of NVM SSD technology.
■ The transition to NVMe SSDs by providing a comprehensive product line, enabling extensive system compatibility.	■ Comprehensive solution
■ The SSD Data Center P3700 series for PCIe devices are based on Intel-developed controller, firmware, and leading manufacturing process NAND flash memory.	■ Proven quality and reliability

Technical details

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Technology	PCIe-SSD Flash Drive
Form factor	Low Profile PCIe with Full Height (FH) and Low Profile (LP) bracket
Bus interface	PCIe 3.0 x4
Bus type	PCIe 3.0
NAND Type	Intel® 20nm Multi Level Cell (MLC) NAND Flash Memory
Lifetime Endurance	10 drive writes per day
Life expectancy	2 million hours Mean Time Between Failures (MTBF)
Supported systems	Add In Card (AIC): PQ1400E2, PQ1800E2, PQ2400S / S2, PQ2400S lite / S2 lite, PQ2400E / E2, PQ2800B / B2, PQ2800E / E2 2.5" PCIe-SSD SFF: RX2530 M1 / M2, RX2540 M1 / M2, RX/TX2560 M1 / M2, RX4770 M2, BX2560 M1 / M2, CX400 M1
Max. number per system unit	Add In Card (AIC): 16x in PQ1400E2 8x in PQ2400S / S2 8x in 2400S lite / S2 lite 48x in PQ2400E / E2 incl. PCI-Box 16x in PQ2800B / B2 48x in PQ2800E / E2 incl. PCI-Box 2.5" PCIe-SSD SFF: 4x in RX2530 M1 / M2 8x in RX2540 M1 / M2 8x in RX/TX2560 M1 / M2 4x in RX4770 M2 2x in BX2560 M1 / M2 2x in CX2550 M1 / M2 2x in CX2570 M1 / M2

Order code	Hard disk type	Hard disk size	Capacity	Transfer rate	IOPS	Endurance
MC-0JSD61	PCIe-SSD AIC	HHHL	800 GB	2.8 GB/s (seq. read) 2 GB/s (seq. write)	460K (random read 4 KByte) 175K (random write 4 KByte)	10 DWPD (drive writes per day)
MC-0JSD71	PCIe-SSD AIC	HHHL	1.6 TB	2.8 GB/s (seq. read) 2 GB/s (seq. write)	460K (random read 4 KByte) 175K (random write 4 KByte)	10 DWPD (drive writes per day)
MC-0JSD81	PCIe-SSD AIC	HHHL	2 TB	2.8 GB/s (seq. read) 2 GB/s (seq. write)	460K (random read 4 KByte) 175K (random write 4 KByte)	10 DWPD (drive writes per day)
S26361-F5534-E161	PCIe-SSD SFF	2.5-inch	1.6 TB	2.8 GB/s (seq. read) 2 GB/s (seq. write)	460K (random read 4 KByte) 175K (random write 4 KByte)	10 DWPD (drive writes per day for 5 years)
S26361-F5534-E201	PCIe-SSD SFF	2.5-inch	2 TB	2.8 GB/s (seq. read) 2 GB/s (seq. write)	460K (random read 4 KByte) 175K (random write 4 KByte)	10 DWPD (drive writes per day for 5 years)
S26361-F5534-E800	PCIe-SSD SFF	2.5-inch	800 GB	2.8 GB/s (seq. read) 2 GB/s (seq. write)	460K (random read 4 KByte) 175K (random write 4 KByte)	10 DWPD (drive writes per day for 5 years)

Environment

Power consumption	Active: up to 25W Idle: 4W typical
Temperature (operating)	0 - 55 °C AIC; 0 - 70 °C 2.5-inch
Storage temperature	-55 - 95 °C
Operating relative humidity	5 - 95 %

Compliance

Europe	CE EN 55022 EN 55024

Compliance	
USA/Canada	UL/cUL 60950-1 FCC Class B ICES-003 / NMB-003 Class A
Global	RoHS
Japan	VCCI
South Korea	KCC
Taiwan	BSMI
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

More information

Fujitsu products, solutions & services

In addition to Fujitsu with PCIe-SSD P3700 Series, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio
Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products
www.fujitsu.com/global/products/computing/

Software
www.fujitsu.com/software/

More information

Learn more about Fujitsu with PCIe-SSD P3700 Series, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.
www.fujitsu.com/primergy

Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment.
Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT.
Please find further information at http://www.fujitsu.com/global/about/environment

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2018-03-05 WW-EN

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