



## Lenovo PM1643a 1.92 TB 2.5" SAS V-NAND TLC

**Brand :** Lenovo

**Product code:** 4XB7A38176

**Product name :** PM1643a

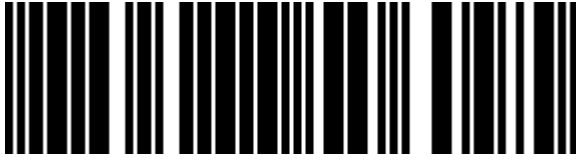


- Enterprise-grade SSD suitable for read-intensive workloads
- Based on Samsung 64-layer V-NAND technology and TLC flash memory
- Endurance of 1 drive-write per day (DWPD) over 5 years
- 2.5-inch or 3.5-inch industry standard form factor with hot-swap tray
- SAS 12 Gbps interface
- Single port host interface
- Protect data integrity from unexpected power loss with Samsung's advanced power-loss protection architecture
- Supports Self-Monitoring, Analysis and Reporting Technology (S.M.A.R.T)
- End-to-end data protection
- Support 16 Initiator with Tag Command Queuing (TCQ) Command Set with a queue-depth of up to 128 commands
- Compliant with SCSI Specification (SAS-3 / SPL-3 / SBC-4 / SPC-4 / SAM-5)
- RoHS Compliant

ThinkSystem 2.5" PM1643a 1.92TB Entry SAS 12Gb Hot Swap SSD

Lenovo PM1643a. SSD capacity: 1.92 TB, SSD form factor: 2.5", Read speed: 1000 MB/s, Write speed: 1000 MB/s, Data transfer rate: 12 Gbit/s, Component for: Disk array

Features		Power	
SSD capacity *	1.92 TB	Power consumption (write)	12 W
SSD form factor *	2.5"	Weight & dimensions	
Interface *	SAS	Width	70 mm
Memory type *	V-NAND TLC	Depth	100 mm
Component for *	Disk array	Height	15 mm
Data transfer rate	12 Gbit/s	Weight	158 g
Read speed	1000 MB/s	Packaging data	
Write speed	1000 MB/s	Package width	133 mm
Random read (4KB)	230000 IOPS	Package depth	174 mm
Random write (4KB)	60000 IOPS	Package height	63 mm
Read latency	240 µs	Operational conditions	
Write latency	220 µs	Operating temperature (T-T)	0 - 70 °C
S.M.A.R.T. support	✓	Storage temperature (T-T)	-40 - 85 °C
Hot-swap	✓	Operating relative humidity (H-H)	5 - 95%
Uncorrectable Bit Error Rate (UBER)	< 1 per 10 <sup>17</sup> bits read	Operating vibration	20 G
Mean time between failures (MTBF)	2000000 h	Operating shock	1500 G
Certification	UL, TUV, FCC, IC, CB, C-Tick Mark,BSMI (Taiwan), KCC (Korea EMI), VCCI	Maximum operating altitude	4572 m
Power		Other features	
Power consumption (read)	9 W	Compliance certificates	CE, RoHS
Logistics data			
		Harmonized System (HS) code	84717070



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