

ENTERPRISE D-SERIES

High Capacity PCIe Gen5 Data Center Storage Solution

PASCARI D200V

Sequential Read**Up to 14,000 MB/s****Sequential Write****Up to 3,000 MB/s****Random Read****Up to 2,000K IOPS****Random Write****Up to 35K IOPS****Interface****PCIe Gen5 x4****Capacity****Up to 61440GB****Form Factor****E3.S, E3.L, U.2****DWPD****0.3****Product Features**

- Power Loss Protection (PLP)
- TCG Opal 2.0 Support
- AES-XTS 256-bit Encryption
- End-to-End Data Path Protection
- Multiple Namespaces

Solutions – D200V (E3.S)

Form Factor E3.S	
Capacity ¹	30.72TB
Interface	PCIe Gen 5 x4
NAND Flash	3D QLC
Performance ²³⁴	
Sequential Read (MB/s)	14000
Sequential Write (MB/s)	3000
4K Random Read (IOPS)	2000K
4K Random Write (IOPS)	35K
Read Latency (Typ., µs)	110
Write Latency (Typ., µs)	30
Power Consumption ⁵	
Active (W)	25
Idle (W)	5
Endurance/Reliability	
DWPD ⁶	0.3
UBER	< 1 sector per 10 ¹⁸ bits read
MTBF (million hours)	2.5
Limited Warranty (years)	5
Temperature	
Operating Temp. (°C)	0 - 70
Non-Operating Temp. (°C)	-40 - 85
Physical Dimension	
Length (mm)	112.75
Width (mm)	76.00
Height (mm)	7.50
Weight (g)	118
Part Number	
Single Port – ISE	DP20KK0930T7V3132T710
Single Port – SED	DP20KK0930T7V2132T710
Dual Port – ISE	DX20KK0930T7V3132T710
Dual Port – SED	DX20KK0930T7V2132T710

(1) 1 GB = 10⁹ bytes.

(2) Sequential Performance is based on FIO on Linux, 128KB data size, with QD=32, 1 job.

(3) Random Performance is based on FIO on Linux, 4KB data size, QD=32.

(4) Latency is measured with random workloads based on FIO on Linux, 4KB data size, QD=1, 1 job.

(5) Power consumption (average RMS) is measured during sequential and random read/write operations.

(6) The results of DWPD are obtained in compliance with JESD219A standards.



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Solutions – D200V (E3.L)

Form Factor E3.L	
Capacity ¹	61.44TB
Interface	PCIe Gen 5 x4
NAND Flash	3D QLC
Performance ²³⁴	
Sequential Read (MB/s)	14000
Sequential Write (MB/s)	3000
4K Random Read (IOPS)	2000K
4K Random Write (IOPS)	35K
Read Latency (Typ., µs)	110
Write Latency (Typ., µs)	30
Power Consumption ⁵	
Active (W)	25
Idle (W)	5
Endurance/Reliability	
DWPD ⁶	0.3
UBER	< 1 sector per 10 ¹⁸ bits read
MTBF (million hours)	2.5
Limited Warranty (years)	5
Temperature	
Operating Temp. (°C)	0 - 70
Non-Operating Temp. (°C)	-40 - 85
Physical Dimension	
Length (mm)	142.20
Width (mm)	76.00
Height (mm)	7.50
Weight (g)	166
Part Number	
Single Port – ISE	DP20LK0961T4V3165T510
Single Port – SED	DP20LK0961T4V2165T510
Dual Port – ISE	DX20LK0961T4V3165T510
Dual Port – SED	DX20LK0961T4V2165T510

(1) 1 GB = 10⁹ bytes.

(2) Sequential Performance is based on FIO on Linux, 128KB data size, with QD=32, 1 job.

(3) Random Performance is based on FIO on Linux, 4KB data size, QD=32.

(4) Latency is measured with random workloads based on FIO on Linux, 4KB data size, QD=1, 1 job.

(5) Power consumption (average RMS) is measured during sequential and random read/write operations.

(6) The results of DWPD are obtained in compliance with JESD219A standards.



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Solutions – D200V (U.2)

Form Factor U.2		
Capacity ¹	30.72TB	61.44TB
Interface	PCIe Gen 5 x4	PCIe Gen 5 x4
NAND Flash	3D QLC	3D QLC
Performance ²³⁴		
Sequential Read (MB/s)	14000	14000
Sequential Write (MB/s)	3000	3000
4K Random Read (IOPS)	2000K	2000K
4K Random Write (IOPS)	35K	35K
Read Latency (Typ., μ s)	110	110
Write Latency (Typ., μ s)	30	30
Power Consumption ⁵		
Active (W)	25	25
Idle (W)	5	5
Endurance/Reliability		
DWPD ⁶	0.3	0.3
UBER	< 1 sector per 10^{18} bits read	< 1 sector per 10^{18} bits read
MTBF (million hours)	2.5	2.5
Limited Warranty (years)	5	5
Temperature		
Operating Temp. (°C)	0 - 70	0 - 70
Non-Operating Temp. (°C)	-40 - 85	-40 - 85
Physical Dimension		
Length (mm)	100.00	100.00
Width (mm)	69.85	69.85
Height (mm)	15.00	15.00
Weight (g)	200	166
Part Number		
Single Port – ISE	DP20JK0930T7V3232T710	DP20JK0961T4V3265T510
Single Port – SED	DP20JK0930T7V2232T710	DP20JK0961T4V2265T510
Dual Port – ISE	DX20JK0930T7V3232T710	DX20JK0961T4V3265T510
Dual Port – SED	DX20JK0930T7V2232T710	DX20JK0961T4V2265T510

(1) 1 GB = 10^9 bytes.

(2) Sequential Performance is based on FIO on Linux, 128KB data size, with QD=32, 1 job.

(3) Random Performance is based on FIO on Linux, 4KB data size, QD=32.

(4) Latency is measured with random workloads based on FIO on Linux, 4KB data size, QD=1, 1 job.

(5) Power consumption (average RMS) is measured during sequential and random read/write operations.

(6) The results of DWPD are obtained in compliance with JESD219A standards.



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