

Enterprise SSD Product Portfolio

Building on 25+ years of experience driving innovation in NAND flash technologies, Phison's enterprise solutions are purpose-built based on comprehensive benchmarking and workload analysis. Superior R&D capabilities enable faster time-to-market for sharper competitive edge.

PASCARI Values

✓ Reliable

We have been innovating data storage for 23 years. Trust, transparency and our customers' confidence means everything to us.

✚ Enabling

We empower enterprise with quality SSD products that lead the industry on performance, efficiency and capacity.

✚ Flexible

Our business model is flexible and so are we. Finding custom solutions to enterprise engineering challenges is what we do.

⇒ Pioneering

We are leaders, unafraid of challenging ourselves and the status quo in pursuit of accelerating enterprise innovation.

👤 Partners

We're more than just an SSD vendor. We're a technology and engineering partner, and our lab is your lab.

High Performance X-Series

PCIe 4.0/5.0
Up to 30.72TB
1/3/60 DWPD



U.2 / E3.S

Data Center D-Series

PCIe 4.0/5.0
Up to 122.88TB
0.3/1/3 DWPD



M.2 / E1.S / U.2 / E3.S / E3.L

SATA S-Series

SATA III
Up to 15.36TB
0.4/1/3 DWPD



2.5"

Boot Drive B-Series

PCIe 4.0 / SATA III
Up to 960GB
1 DWPD



2.5" / M.2

X-Series

Enterprise NVMe SSD

Model	DWPD	Interface	Form Factor	Capacity	Sequential (MB/s)		Random (KIOPS)	
					Read	Write	Read	Write
X100P	1	PCIe 4.0 1x4 or 2x2	U.2 15mm / U.3* 15mm	1.92TB to 30.72TB	7,400	7,000	1,750	210
X100E	3	PCIe 4.0 1x4 or 2x2	U.2 15mm / U.3* 15mm	1.6TB to 25.6TB	7,400	7,000	1,750	490
X200P	1	PCIe 5.0 1x4 or 2x2	U.2 15mm / E3.S 1T	1.92TB to 30.72TB	14,800	8,700	3,300	460
X200E	3	PCIe 5.0 1x4 or 2x2	U.2 15mm / E3.S 1T	1.6TB to 25.6TB	14,800	8,700	3,300	900
X200Z	60	PCIe 5.0 2x2 (dual port)	U.2 15mm	800GB to 6.4TB	14,000	9,500	3,100	950
X201P	1	PCIe 5.0 1x4 or 2x2	U.2 15mm / E3.S 1T	15.36TB to 30.72TB	14,500	12,000	3,300	600
X201E	3	PCIe 5.0 1x4 or 2x2	U.2 15mm / E3.S 1T	12.8TB to 25.6TB	14,500	12,000	3,300	1,050

*U.3 form factor support is available through custom configurations for qualified OEM customers upon request

D-Series

Data Center NVMe SSD

Model	DWPD	Interface	Form Factor	Capacity	Sequential (MB/s)		Random (KIOPS)	
					Read	Write	Read	Write
D100P	1	PCIe 4.0 x4	M.2 2280 / 22110 E1.S 9.5mm U.2 15mm	480GB to 3.84TB	6,800	2,000	900	70
D200P	1	PCIe 5.0 x4	E1.S 9.5mm E1.S 15mm	1.92TB to 7.68TB	14,000	8,500	3,300	420
D200E	3	PCIe 5.0 x4	E1.S 9.5mm E1.S 15mm	1.6TB to 6.4TB	14,000	8,500	3,300	880
D200V	0.3	PCIe 5.0 1x4, 2x2	U.2 15mm E3.S 1T E3.L 1T	30.72TB to 61.44TB	14,700	3,000	3,000	34*
D205V	0.3	PCIe 5.0 1x4, 2x2	U.2 15mm E3.S 1T E3.L 1T	Up to 122.88TB	14,700	3,200	3,000	35*
D201P	1	PCIe 5.0 x4	E1.S 15mm	Up to 15.36TB	14,500	12,000	3,300	600
D201E	3	PCIe 5.0 x4	E1.S 15mm	Up to 12.8TB	14,500	12,000	3,300	1,050

*Based on 16K random write

S-Series

Data Center SATA SSD

Model	DWPD	Interface	Form Factor	Capacity	Sequential (MB/s)		Random (KIOPS)	
					Read	Write	Read	Write
SA50V	0.4	SATA III	2.5" 7mm	1.92TB to 15.36TB	530	500	97	20
SA50P	1	SATA III	2.5" 7mm	480GB to 7.68TB	530	500	98	40
SA50E	3	SATA III	2.5" 7mm	480GB to 3.84TB	530	500	98	77
SA52P	1	SATA III	2.5" 7mm	240GB to 7.68TB	530	500	98	19
SA53P	1	SATA III	2.5" 7mm	240GB to 3.84TB	530	500	98	39

B-Series

Boot SSD

Model	DWPD	Interface	Form Factor	Capacity	Sequential (MB/s)		Random (KIOPS)	
					Read	Write	Read	Write
B100P	1	PCIe 4.0 x4	M.2 2280	480GB to 960GB	5,000	700	450	30
BA50P	1	SATA III	M.2 2280 / 2.5" 7mm	240GB to 960GB	530	500	98	30
BA53P	1	SATA III	M.2 2280	240GB to 960GB	530	500	98	32