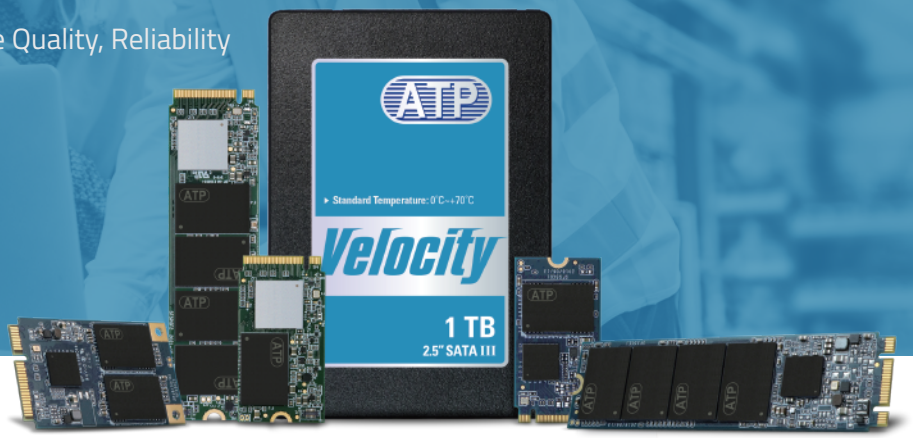
ATP 100+ Layer Prime Die 3D NAND SSD Built for Industrial Applications

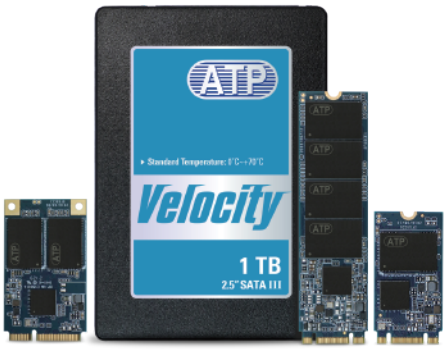
Value Line with 3D TLC NAND Offers Prime Quality, Reliability and Endurance at Lower Cost per GB



N600Vc Series M.2 2242/2280 NVMe Gen3 and A600Vc Series SATA 2.5", M.2 2242/2280, and mSATA Value Line solid state drives (SSDs) are built with prime die triple-level cell (TLC) NAND on leading 100-layer plus 3D architecture. The new line is geared toward industrial/embedded applications requiring reliable performance, wide range of capacity options, and long-term supply commitment at friendly price points.

The Value Line is tailored for read-intensive applications, such as web server, box pc, kiosk/point-of-sale systems (POS), and other industrial/embedded boot drive requiring speed and reliability.

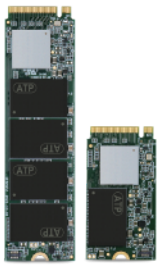
Key Features



A600Vc

- SATA III 6 Gb/s
- Available in M.2 2280/2242, 2.5" & mSATA form factors
- 32 GB to 1 TB capacity offering*
- Firmware-based Power Loss Protection with Level 1 data-at-rest protection
- Power-efficient DRAM-less design

*Different NAND die may be utilized for lower-capacity drives



N600Vc

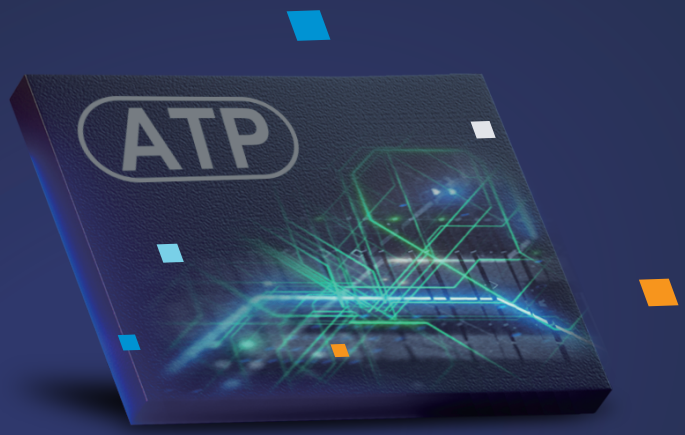
- PCIe Gen3x4, NVMe 1.3
- Available in M.2 2280/2242 form factors
- 120 GB to 960 GB capacity offering
- Firmware-based Power Loss Protection with Level 1 data-at-rest protection
- Host Memory Buffer (HMB) support
- End-to-end data path protection

Why ATP A600Vc and N600Vc Value Line SSDs?

EXTREME RELIABILITY
with Prime NAND Die + ATP IC Sorting test

DRAM-less design
POWER EFFICIENT

SUPPLY LONGEVITY
with multi-year support



Up to
-20%
Lower cost per GB
than previous gen. NAND die

Built for
READ-INTENSIVE APPLICATIONS
Server/Networking, IPC, kiosk/POS, booting

Product Specifications

Product Line	Value					
	N600Vc		A600Vc			
Interface	PCIe G3 x4		SATA III 6 Gb/s			
Flash Type	3D TLC					
Form Factor	M.2 2280 S2-M	M.2 2242 D5-M	2.5"	2280 S2-B-M	2242 D2-B-M	MO-300A
Operating Temperature (Tcase)[1]	0°C to 70°C					
Power Loss Protection Options	Firmware Based					
Capacity	120 GB to 960 GB		32 GB to 1 TB	32 GB to 1 TB		32 GB to 1 TB
Performance						
Sequential Read (MB/s) up to	2,600		560	560		560
Sequential Write (MB/s) up to	1,870		525	525		525
Random Reads IOPS (4K, QD32) up to	184,300		72,000	72,000	70,500	72,000
Random Writes IOPS (4K, QD32) up to	145,900		85,000	85,000	81,000	85,000
Endurance and Reliability						
Endurance (TBW)[2] up to	1,536 TB		2,792 TB	2,792 TB		2,792 TB
Reliability MTBF @ 25°C	2,000,000 hours		>2,000,000 hours			
Others						
Dimensions: L x W x H (mm)	80.0 x 22.0 x 2.2	42.0 x 22.0 x 3.6	100 x 69.9 x 7	80 x 22 x 2.2	42 x 22 x 3.5	50.8 x 29.85 x 3.5
Certifications	CE, FCC, BSMI, UKCA, RoHS, REACH					
Warranty	2 years					

[1] Case Temperature, the composite temperature as indicated by SMART temperature attributes.
[2] Under highest Sequential write value. May vary by density, configuration and applications.