



ATP DRAM-LESS VALUE LINE SSDS AVAILABLE IN I-TEMP/C-TEMP OPERABLE MODELS


PRODUCT FAMILY FLYER





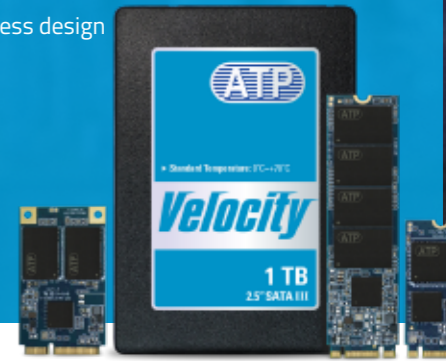
N600Vi/Vc Series FEATURE HIGHLIGHTS

- PCIe Gen3 x4, NVMe 1.3
- Available in M.2 2280/2242
- 120 GB to 960 GB capacity
- I-Temp/C-Temp operable
- Firmware-based Power Loss Protection with Level 3 data-at-rest protection
- Host Memory Buffer (HMB) support
- End-to-end data path protection



A600Vi/Vc Series FEATURE HIGHLIGHTS

- SATA III 6 Gb/s
- Available in M.2 2280/2242, 2.5" & mSATA
- 128 GB to 1 TB capacity
- I-Temp/C-Temp operable
- Firmware-based Power Loss Protection with Level 3 data-at-rest protection
- Power-efficient DRAM-less design

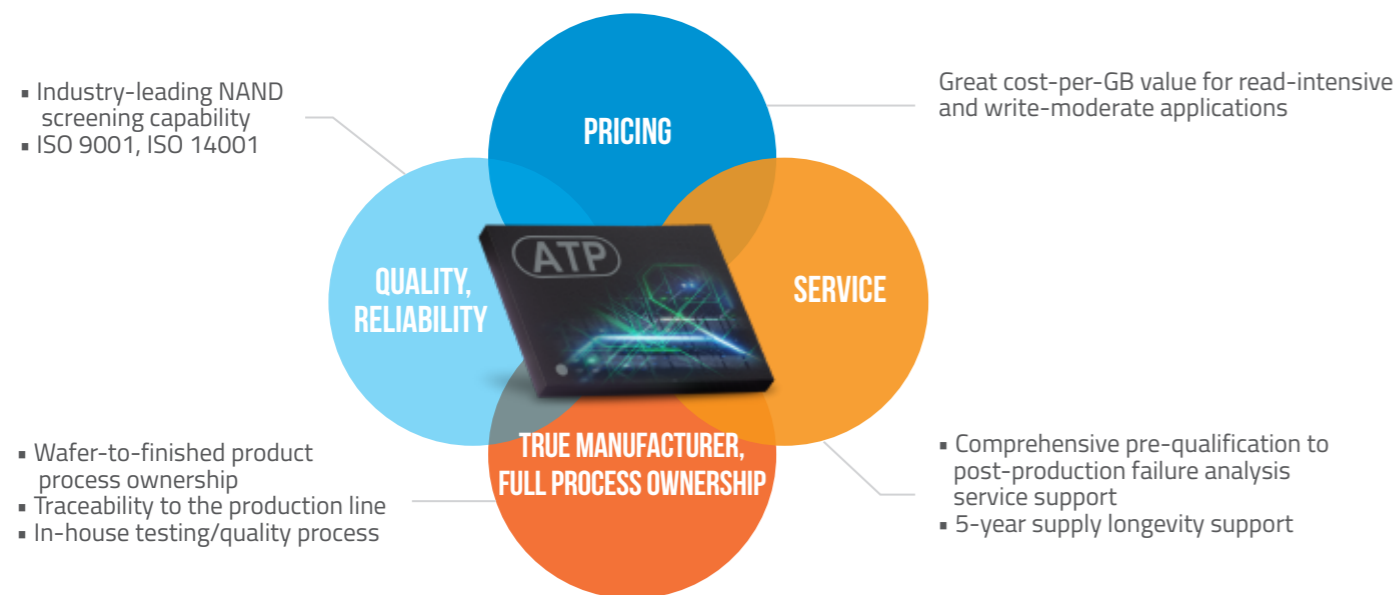


N600Vi/Vc Series M.2 2242/2280 PCIe Gen3 NVMe and A600Vi/Vc Series SATA 2.5", M.2 2242/2280, and mSATA Value Line solid state drives (SSDs) are built with prime die triple-level cell (TLC) NAND on leading 176-layer 3D architecture.

Value line SSDs are geared toward industrial/embedded applications requiring reliable performance, a wide range of capacity options, and long-term supply commitment at friendly price points. The DRAM-less configuration provides lower power consumption and less heat signature.

The Value Line is tailored for read-intensive or general R/W mixed applications, such as web servers, box PCs, kiosk/point-of-sale systems (POS), and other industrial/embedded boot drives requiring reliability and lower cost of investment.

Why Value Line SSDs ?



Product Line	Value Line					
	N600Vi / N600Vc			A600Vi / 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"	M.2 2280 S2-B-M	M.2 2242 D2-B-M	MO-300A
Operating Temperature	-40°C to 85°C / 0°C to 70°C			-40°C to 85°C / 0°C to 70°C		
Power Loss Protection Options	Firmware Based					
Optional SED Features	-					
Capacity	120 GB to 960 GB			32 GB to 1TB		
Performance						
Sequential Read (MB/s) up to	2,600			560		
Sequential Write (MB/s) up to	1,870			525		
Random Reads IOPS up to	184,300			72,000	70,500	72,000
Random Writes IOPS up to	145,900			85,000	81,000	85,000
Endurance and Reliability						
Endurance (TBW) ¹ up to	2,880 TB			2,792 TB		
Reliability MTBF @ 25°C (hours)	>2,000,000 hours					
Others						
Dimensions (mm)	80.0 x 22.0 x 2.2	42.0 x 22.0 x 3.6	100 x 69.85 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 Under highest Sequential write value. May vary by density, configuration and applications.

Order Information

Value Line Ordering Information					
Product Line	Form Factor	Capacity ₁	Power Loss Protection ₂	I-Temp P/N (-40°C to 85°C)	C-Temp P/N (0°C to 70°C)
N600Vi / N600Vc	M.2 NVMe 2280	120 GB	Firmware Based	FT120GP38APDBFI	FT120GP38ANDBFC
		240 GB	Firmware Based	FT240GP38APDBFI	FT240GP38ANDBFC
		480 GB	Firmware Based	FT480GP38APDBFI	FT480GP38ANDBFC
		960 GB	Firmware Based	FT960GP38APDBFI	FT960GP38ANDBFC
	M.2 NVMe 2242	120 GB	Firmware Based	FT120GP34APDBFI	FT120GP34ANDBFC
		240 GB	Firmware Based	FT240GP34APDBFI	FT240GP34ANDBFC
		480 GB	Firmware Based	FT480GP34APDBFI	FT480GP34ANDBFC
		960 GB	Firmware Based	FT960GP34APDBFI	FT960GP34ANDBFC
A600Vi / A600Vc	M.2 SATA 2280	128 GB	Firmware Based	FT128GM28AN2BFI	FT128GM28AN2BFC
		256 GB	Firmware Based	FT256GM28AN2BFI	FT256GM28AN2BFC
		512 GB	Firmware Based	FT512GM28AN2BFI	FT512GM28AN2BFC
		1 TB	Firmware Based	FT1T00M28AN2BFI	FT1T00M28AN2BFC
	M.2 SATA 2242	128 GB	Firmware Based	FT128GM24AN2BFI	FT128GM24AN2BFC
		256 GB	Firmware Based	FT256GM24AN2BFI	FT256GM24AN2BFC
		512 GB	Firmware Based	FT512GM24AN2BFI	FT512GM24AN2BFC
		1 TB	Firmware Based	FT1T00M24AN2BFI	FT1T00M24AN2BFC
	mSATA	128 GB	Firmware Based	FT128GMSAAN2BFI	FT128GMSAAN2BFC
		256 GB	Firmware Based	FT256GMSAAN2BFI	FT256GMSAAN2BFC
		512 GB	Firmware Based	FT512GMSAAN2BFI	FT512GMSAAN2BFC
		1 TB	Firmware Based	FT1T00MSAAN2BFI	FT1T00MSAAN2BFC
	2.5"	128 GB	Firmware Based	FT128G25SAN2BFI	FT128G25SAN2BFC
		256 GB	Firmware Based	FT256G25SAN2BFI	FT256G25SAN2BFC
		512 GB	Firmware Based	FT512G25SAN2BFI	FT512G25SAN2BFC
		1 TB	Firmware Based	FT1T0025SAN2BFI	FT1T0025SAN2BFC

¹ Amount of actual usable storage that can be utilize

² Firmware based power loss protection design with Level 3 (data-at-rest) protection



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Product spec and its related information are subject to change without advance notice.

Please refer to www.atpinc.com for latest information

v1.0 022024

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