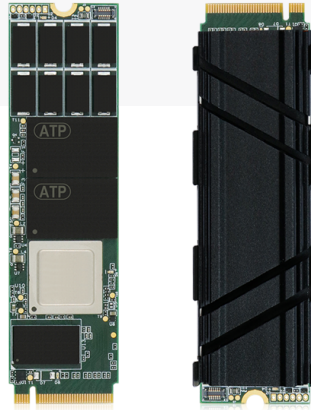




PCIe® Gen 4 NVMe M.2 2280 SSD

The Global Leader in Specialized Storage and Memory Solutions



KEY FEATURES

- Endurance: 1 DWPD (5 years Enterprise workload)
- Sustained Write Performance: Up to 3,000 MB/s
- Data Retention: Up to 10 years at 55°C (pSLC)*
- Power Loss Protection: MCU-based* data-at-rest and in-flight protection, or firmware-based data-at-rest protection
- AceTT* (Ace Thermal Throttling Technology)
- PLP Diag* (Self-Diagnosing Capacitor Check)
- Security: Self-Encrypting Drive (SED) with AES 256-bit Encryption, TCG Opal 2.0*
- Hardware Secure Erase / Write Protect*
- End-to-End Data Path Protection
- Thermal heatsink solutions**
- AcuCurrent* (Signal Optimization Technology)

* May vary by product and project support

** Customization available on a project basis

Featuring PCI Express® (PCIe®) interfaces and supporting Generation 4, ATP NVMe™ M.2 SSD modules deliver versatile high-performance storage solutions across multiple form factors including 2280, 2242, and 2230, catering to diverse system configurations and write-intensive mission-critical application requirements.

Select M.2 SSDs boast the highest endurance with unmatched 100,000 P/E cycles for pSLC mode and 11,000 P/E cycles for native TLC.

ATP SSDs are also thermally engineered for robust cross-temperature operating range for excellent error handling. They offer reliable operation with I-Temp (-40°C to 85°C), Extended-commercial Temp (-20°C to 75°C) and C-Temp (0°C to 70°C) support options. Thermal management options for optimal heat dissipation include a nickel-coated copper heat spreader on the controller and 4 mm or 8 mm fin-type heatsink designs.

To ensure that data is protected from malicious access, selected M.2 SSDs support optional Self-Encrypting Drive (SED) features with AES 256-bit encryption and TCG Opal 2.0, as well as HW Write Protect and HW Secure Erase.

Technologies	S.M.A.R.T./ Life Monitor	PLP Diag	Ace Thermal Throttling	AcuCurrent	Industrial Temperature	Firmware-Based Data-At-Rest Power Loss Protection	Hardware-Based In-Flight-Data Power Loss Protection	Advanced Wear Leveling	AutoRefresh	Dynamic Data Refresh	Auto-Read Calibration	ETEDP	SED	Software Secure Erase	Hardware Secure Erase	Hardware Write Protect
Premium	N751Pi	○	○		○	○	○	○	○	○	○	○	○	○	○	○
Superior	N651Si / N651Sc	○	○		○	○	○	○	○	○	○	○	○	○	○	○
	N601Sw / N601Sc	○		○		○		○	○	○		○	▲	○	○	○
Value	N601Vi / N601Vc	○			○	○		○	○	○		○		○		
Momentum	N601Mi / N601Mw	○			○	○		○	○	○		○	▲	○		
	N601Mw	○				○		○	○	○	○	○	▲	○		

▲: Customization option available on a project basis.