ASC GLOBAL
Est. 1997

SSD SOLUTIONS LINE CARD 2026

64GB - 30TB | OEM, embedded, industrial and data center storage

Product Families

Product family	Interface / form factor	Typical integration
2.5-inch SATA SSD	SATA III 6 Gb/s, 2.5-inch enclosure	Industrial PCs, appliances, server boot
M.2 SATA SSD	SATA III 6 Gb/s, 2242 / 2260 / 2280	Embedded systems, gateways
M.2 NVMe SSD	PCIe / NVMe, 2230 / 2242 / 2280	Edge computing, client and host systems
Enterprise NVMe SSD	Server-class PCIe NVMe, U.2 / U.3 / E1.S	Cloud servers, virtualisation, databases

Capacity Range

64GB	128GB	256GB	512GB	1TB	2TB	4TB	8TB	15TB	30TB

Form factor, PCIe generation and NAND configuration are selected by ASC model. High-capacity enterprise builds are matched to your deployment specification.

Performance and Endurance

Product family	Seq. read	Seq. write	Random 4K read	Endurance
SATA 2.5-inch	540 MB/s	520 MB/s	95K IOPS	1.5 DWPD
NVMe read-intensive	6,800 MB/s	2,700 MB/s	800K IOPS	1 DWPD
NVMe mixed-use	6,800 MB/s	5,300 MB/s	1M IOPS	1 DWPD
NVMe high-endurance	Config. specific	Config. specific	Config. specific	3 DWPD

Maximum ratings shown. Values are configuration-dependent; each ASC part number datasheet defines test method, sustained performance and warranty endurance.

MATCHING SOLUTIONS FOR OEM PLATFORMS AND ENTERPRISE INFRASTRUCTURE

nqa AS6081 COUNTERFEIT PARTS PROGRAM
nqa AS9120 AEROSPACE & DEFENSE

Contact Us:
7880 N. University Drive, Suite 100 | Tamarac, FL 33321
P. 954.718.2950 | info@ascglobal.com | www.ascglobal.com

nqa ISO 9001 QUALITY MANAGEMENT
ANAB ANSI National Accreditation Board ACCREDITED ISO/IEC 17021-1 MANAGEMENT SYSTEMS CERTIFICATION BODY

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SELECTION & SUPPLY

Engineering qualification | lifecycle control | scheduled supply

DIRECT REPLACEMENT | CONFIGURATION MATCHING | SCHEDULED SUPPLY

Product Selection by Workload

- **Server boot and OS volumes:** SATA or M.2 SSD with host-compatible endurance and form factor.
- **Databases / high-write:** Enterprise NVMe sized for sustained writes and DWPD.
- **Cloud compute / virtualisation:** Enterprise NVMe for steady-state random I/O and low latency.
- **Network appliances / edge:** SATA or NVMe selected for power, temperature and fixed BOM.

What We Specify and Verify

NAND and controller: NAND type, controller, firmware, cache and substitution limits	**Performance:** MB/s, 4K IOPS, latency and sustained writes after cache
Endurance: TBW by capacity and workload, DWPD over warranty term	**Power:** Active/idle power, peak current, power-loss protection
Environment: Temperature, throttling, shock/vibration, mounting	**Security:** SMART, TRIM, secure erase, encryption, TCG Opal
Host compatibility: Interface version, boot, OS/driver, sector size	**Compliance:** Model reliability data, RoHS/REACH, documentation

Qualification focus: boot and image deployment, sustained writes, operating temperature, power interruption and the target host, tested against the final approved configuration.

Supply Program

Samples and qualification

Evaluation units, host test plan and agreed acceptance criteria.

Fixed-BOM lifecycle

Locked controller, NAND and firmware with PCN/EOL notice.

Scheduled supply

Annual forecast, monthly releases, buffer stock and set delivery points.

Traceability

Serial and lot IDs, conformity certificates, inspection and test records.

Commercial terms

MOQ, volume price breaks, lead time and flexible payment terms.

Warranty and branding

Model-specific warranty and RMA; ASC labels, bulk or individual packs.

Send Us Your SSD Requirement

Share your current SSD part number or minimum spec: capacity, interface, form factor, MB/s, IOPS, TBW or DWPD, operating conditions and annual volume. We will propose a matching configuration, datasheet, samples and supply program.

Email info@ascglobal.com or call +1 954 718 2950

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