

960GB M.2 2280 SATA SSD / TAA Compliant

SKU: BCT960G2280SATA

UPC: 810189122468

- 960GB capacity in a M.2 2280 (22 x 80 mm) form factor - drop-in upgrade for business notebooks, thin clients, and small-form-factor desktops with a SATA M.2 slot
- SATA III 6Gb/s interface (SATA 3.1, B+M key) delivers up to 560 MB/s read / 515 MB/s write and up to 75K/75K IOPS 4K random read/write
- TAA-compliant, manufactured in Mexico - qualifies for federal, state, and education procurement
- 3D TLC NAND with SLC caching, LDPC ECC, StaticDataRefresh, and global wear leveling - rated 700 TBW, 1.5 million hours MTBF
- Supports TRIM, S.M.A.R.T., NCQ (32-deep), DEVSLP, ATA password, and Secure Erase
- Low power: up to 2.1W active, 0.09W idle - ideal for battery-powered mobile systems
- 3-year limited warranty with US-based support and rapid RMA

960GB TAA-compliant M.2 2280 SATA solid state drive (22 x 80 mm) for business notebooks, thin clients, and small-form-factor desktops with a SATA-keyed M.2 slot. SATA III 6Gb/s interface delivers up to 560 MB/s read / 515 MB/s write. 3D TLC NAND, 700 TBW endurance, 1.5 million hours MTBF. Manufactured in Mexico. 3-year warranty.

Technical Specifications

Product Type	Solid State Drive
Storage Capacity	960 GB
Drive Type	Internal
Drive Interface	SATA
Drive Interface Standard	SATA/600 (SATA 3.1, 6Gb/s; backward compatible with 3Gb/s and 1.5Gb/s)
Form Factor	M.2 2280
Connector Key	B+M Key
NAND Type	3D TLC
Sequential Read (up to)	560 MB/s
Sequential Write (up to)	515 MB/s
4K Random Read (up to)	75,000 IOPS
4K Random Write (up to)	75,000 IOPS

Bull Creek Tech

Endurance (TBW)	700 TB
DWPD (3 yr)	0.806
MTBF	1.5 million hours (Telcordia SR-332)
Uncorrectable Bit Error Rate	≤1 sector per 10 ¹⁵ bits read
Error Correction	LDPC hard and soft decode ECC
Features	SLC caching, TRIM, S.M.A.R.T., NCQ (32 queue depth), DEVSLP, static and dynamic wear leveling, StaticDataRefresh, field-upgradeable firmware
Security	ATA password, Secure Erase
Command Set	ATA/ATAPI-8-ACS3
Power Supply	+3.3VDC (±5%)
Power Consumption	Up to 2.1W active, 0.09W idle
Device Supported	Desktop PC, Notebook, Thin Client, Motherboard
Environmental Compliance	RoHS, WEEE
Country of Origin	Mexico
TAA Compliant	Yes
Limited Warranty	3 Year

Warranty

3-Year Limited Warranty

Environmental

Operating Temperature	0°C to 70°C
Non-Operating Temperature	-40°C to 85°C
Operating Humidity	5% to 95% relative, non-condensing
Shock	1500G / 0.5ms
Vibration	2-500Hz, 3.1G

Dimensions & Weights

Dimensions (L x W x H)	80.0 x 22.0 x 3.5 mm (3.15" x 0.87" x 0.14")
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