Bull Creek Tech

512GB M.2 2230 PCIe Gen4 x4 SSD OPAL SED / TAA Compliant

SKU: BCT512GB2230SED

UPC: 810189120280



- 512GB capacity in a M.2 2230 (22 x 30 mm) form factor - drop-in upgrade for handheld gaming PCs, slim 2-in-1s, and ultrabooks
- PCIe Gen 4 x4 NVMe interface delivers up to 5,000 MB/s read / 4,500 MB/s write for fast boot, application loads, and large file transfers
- Self-encrypting drive (TCG Opal 2.0 / IEEE-1667) - hardware-level AES-256 encryption with no performance penalty, ideal for HIPAA, CJIS, and FedRAMP environments
- TAA-compliant, manufactured in Mexico - qualifies for federal, state, and education procurement
- Validated against major OEM systems for OEM-grade compatibility
- 3-year limited warranty with US-based support and rapid RMA
- Single-sided PCB design fits thin chassis where double-sided drives won't clear (handheld gaming PCs, slim notebooks, blade workstations)

Built for Business

512GB TAA-compliant M.2 2230 solid state drive (22 x 30 mm) for compact handheld and ultraportable systems. Self-Encrypting (TCG Opal 2.0) PCIe Gen 4 x4 NVMe interface delivers up to 5,000 MB/s read / 4,500 MB/s write. 3-year warranty. Tested for compatibility with major OEM platforms.

Technical Specifications

Product Type	Solid State Drive
Storage Capacity	512 GB
Drive Type	Internal
Drive Interface	PCI Express NVMe
Drive Interface Standard	PCI Express NVMe 4.0 x4
Form Factor	M.2 2230
Dimensions (W x L x H)	0.9" x 1.2"
Device Supported	Desktop PC, Notebook, Motherboard
Country of Origin	Mexico
TAA Compliant	Yes
Limited Warranty	3 Year

Warranty

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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
Shock	1500G / 0.5ms
Vibration	2-500Hz, 3.1G