

SYMPLYSPARK

Thunderbolt Shuttle RAID with User Serviceability

SPARK is a direct-attached Thunderbolt™ RAID built for content creators who need fast, reliable, high-capacity storage that can travel. Available in compact 4-bay and 8-bay desktop formats with capacities up to 120TB and 240TB respectively, SPARK delivers consistently high throughput and low latency with plug-and-play convenience, so you can focus on the work instead of managing storage.

SPARK is built with media professionals in mind and is equally at home in an office, studio, machine room or on set. Its robust all-metal enclosure is more compact and lighter than comparable systems, with an integrated carry handle, whisper-quiet operation below 40dB and an LED blackout Studio Mode for light-sensitive environments. Every SPARK uses enterprise-class hard drives for consistent, reliable performance.

Each model comes equipped with two Thunderbolt™ 3 ports for high throughput, daisy-chaining and fast device charging, with **SymplyLOCK™** cable locking to prevent accidental disconnects. Hardware RAID 0, 1, 5, 6, 10 and JBOD are supported, and every unit ships configured in RAID 5 to keep you working even in the unlikely event of a drive failure.

Deadlines don't wait for repairs. Beyond hot-swappable drives, SPARK lets you replace the fan and power supply in the field, so there's no need to send the system back with your content on it or wait for an exchange unit. The optional **SymplySAM** self-assisted maintenance kit comes packed in its own transport case with full instructions to have you back up and running in minutes.

For studio and rack environments, the optional 4U SPARK Rack Kit takes the 8-bay model from desktop to rack in under five minutes, with extendable rails for various rack depths. SPARK supports macOS and Windows, and is backed by the Symply worldwide 5-year warranty and free lifetime online support from trained media professionals.

FEATURES & BENEFITS

- **Dual Thunderbolt™ 3** — two ports for high throughput, daisy-chaining and fast device charging.
- **4-bay or 8-bay capacity** — up to 120TB (4-bay) or 240TB (8-bay) using enterprise-class hard drives.
- **Performance** — up to 700 MB/s (4-bay) and up to 1,700 MB/s (8-bay).
- **Hardware RAID protection** — RAID 0, 1, 5, 6, 10 and JBOD. Ships in RAID 5 to keep you working even in the unlikely event of a drive failure.
- **User serviceable** — hot-swap drive caddies with locking pin and thumbscrews, plus field-replaceable fan and power supply.
- **Rugged and portable** — robust all-metal build, integrated carry handle and AC 110–240V power supply.
- **Whisper quiet** — under 40dB, ideal for desktop and on-set use.
- **Studio Mode** — LED blackout for light-sensitive studio and on-set environments.
- **Secure connections** — SymplyLOCK™ machined aluminum Thunderbolt cable lock and Kensington® lock slot.
- **In the box** — SPARK with drives installed, 2m (6.5ft) active Thunderbolt 3 cable, SymplyLOCK™ and power cable.
- **Optional accessories** — NANUK wheeled transport case with custom foam insert, 4U SPARK Rack Kit (8-bay only) and SymplySAM self-assisted maintenance kit.
- **macOS & Windows** — plug-and-play support on both platforms.
- **Warranty & support** — 5-year worldwide warranty and free lifetime online support.

Models

Product Name	Drive Bays	Host Interface	RAID Levels	D x W x H	Weight
SPARK 4-Bay	4	2 x Thunderbolt 3	0, 1, 5, 6, 10, JBOD	24.0 x 15.0 x 23.5 cm (9.4 x 5.9 x 9.3 in)	7.6 Kg (16.8 lb)
SPARK 8-Bay	8	2 x Thunderbolt 3	0, 1, 5, 6, 10, JBOD	24.0 x 15.0 x 31.8 cm (9.4 x 5.9 x 12.5 in)	10.8 Kg (23.8 lb)

SPARK 4-Bay Performance & Capacity

Raw Capacity	Usable Capacity (RAID 5)*	Performance
40 TB	~30 TB	Up to 700 MB/Sec
56 TB	~42 TB	Up to 700 MB/Sec
64 TB	~48 TB	Up to 700 MB/Sec
96 TB	~72 TB	Up to 700 MB/Sec
120 TB	~90 TB	Up to 700 MB/Sec

SPARK 8-Bay Performance & Capacity

Raw Capacity	Usable Capacity (RAID 5)*	Performance
80 TB	~70 TB	Up to 1,700 MB/Sec
128 TB	~112 TB	Up to 1,700 MB/Sec
144 TB	~126 TB	Up to 1,700 MB/Sec
192 TB	~168 TB	Up to 1,700 MB/Sec
240 TB	~210 TB	Up to 1,700 MB/Sec

* RAID 5 (default) reserves one drive's worth of capacity for parity. Usable figures are approximate and shown before formatting. RAID 0 provides full raw capacity with no redundancy.

Environmental Specifications

Condition	Environmental Specification
Operating Temperature	0 to 40 °C (32 to 104 °F)
Operating Humidity	5% to 85% (non-condensing)





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