



## MR1031

MediaRange Internal M.2 2280 solid state drive, NVMe PCIe 3.1 x4 20 Gb/s, 256GB, black

### MediaRange Flash Storage Solutions – Reliable data storage for everyday use

MediaRange flash storage solutions are designed for everyday performance and reliability—at home, in the office, or on the move. Whether you're transferring important documents, storing multimedia content, or backing up data, our flash storage devices deliver dependable speed and compatibility across a wide range of devices, and operating systems.

Available in various capacities and formats, MediaRange flash storage products offer the flexibility to match your specific needs. Compact, durable, and easy to use, they're the ideal choice for managing your digital files quickly and securely.

Our internal solid state drives are the perfect performance upgrade for hard drive-based desktop

and notebook systems. Equipped with modern TLC NAND flash technology and a reliable high-performance controller, these compact M.2 2280 SSDs deliver outstanding speed, low power consumption, and silent operation. With fast data access and significantly reduced system boot and loading times, they help boost overall system responsiveness and efficiency.

Thanks to their compact M.2 form factor and PCIe 3.1 x4 interface, these SSDs are ideal for space-saving builds and offer a highly efficient storage solution for modern systems. Available in capacities from 256GB to 1TB, MediaRange NVMe SSDs are well suited for a wide range of applications – from everyday computing and business workflows to multimedia projects and light content creation.

## FEATURES

- Capacity (1): 256GB
- Form factor: M.2 2208
- Interface: NVMe PCIe 3.1 x4 (20 Gbit/s)
- Flash type: TLC NAND (Triple Level Cell)
- Controller: High-performance controller
- Speed (2) (Read-/Write): up to 2040 / 1270 MB/s
- Total Bytes Written (TBW) (3): 100?TB
- Reliability (MTBF) (4): 1,500,000 hours
- Power states supported: PS0, PS1, PS2, PS3, PS4
- Supports HMB, EMC, S.M.A.R.T.
- Operating temperature: 0°C to 70°C
- Storage temperature: -40°C to 85°C
- Shock resistance: 1500 G / 0.5 ms
- Vibration resistance: 20 G, 80–2000 Hz
- Power-efficient, noiseless operation
- Shock-resistant
- Packaging: Single blister pack
- Dimensions (approx.): 80 x 22 x 2.5mm
- Net weight (approx.): 8g

## APPLICATIONS

### Applications

- Reliable performance upgrade for client PCs, workstations, and notebooks
- Ideal for replacing traditional hard drives to significantly improve boot time, application start-up, and system responsiveness
- Suitable for productivity software, multimedia editing, image processing, and cloud-based work environments
- Perfect for everyday computing, light content creation, and data-heavy office workflows

### Operation, Storage and Warranty Conditions

- Designed for regular desktop and laptop use. Not intended for continuous use in server

systems or data centers.

- To avoid data loss or corruption, do not disconnect the device during read/write operations.
- Always back up important data.
- No liability is accepted for data loss, regardless of the cause.
- Keep out of reach of children and pets.
- Store the device in a cool, dry place, and avoid exposure to extreme temperatures and direct sunlight.
- Defective devices due to material or manufacturing faults will be replaced free of charge.
- The warranty covers 2 years or until reaching the maximum TBW (Total Bytes Written), whichever comes first. For details, refer to the product's technical datasheet.
- This warranty excludes damage caused by improper handling, misuse, accidents, or incorrect storage.

### Additional Notes

- (1) 1 GB = 1 billion bytes. Actual storage capacity may be less due to formatting and file system requirements.
- (2) Performance may vary depending on host system, usage conditions, and file size. This SSD must be connected to an NVMe PCIe 3.1 x4-compatible port for full performance.
- (3) TBW (Total Bytes Written) indicates the maximum amount of data that can be written to the drive over its lifetime while maintaining reliability
- (4) MTBF (Mean Time Between Failures) represents the average time between potential failures under laboratory conditions.
- All products and illustrations mentioned are subject to change. The illustrations shown may differ from the actual product. Technical changes as well as errors and misprints are reserved.
- All technical specifications, including read/write speeds, TBW (Total Bytes Written), and MTBF (Mean Time Between Failures), are based on internal records and tests under controlled conditions. These values are provided for reference only and do not guarantee actual device performance or lifespan.

EAN Code Piece:4260664871590

EAN Code Carton:4260664871606