

## WARP 3800I Matrix Series Ultra-Dense Unified Storage

The growth of data across all industries has pushed legacy storage providers into a corner. 21<sup>st</sup> century business demands flexible, high-capacity platforms that can support fluctuating storage needs. OEMs are scrambling to market with buzzwords just to appear relevant. More than ever, customers are turning to cost-effective yet powerful, open storage platforms.

The WARP Mechanics 3800I Matrix Series open storage appliances deliver the power, scale, and cost-model needed to support modern businesses.

WARP Mechanics has adopted Open Storage as more than a marketing term; it's a philosophy that uses best-of-breed industry-leading hardware and open source software to create an architecture that doesn't sacrifice performance, reliability, or manageability.

Starting with hardware taken from the supercomputing realm, the 3800I Matrix appliances are designed for ultimate performance and scalability.

Each WARP Mechanics appliance provides enterprise reliability, availability, and scalability at an industry-leading price point.

- High-Availability
- Unified Storage Architecture (block / NAS / object / parallel FS)
- 10/40 Gbps Ethernet, FDR/EDR IB, and Omni-Path interfaces
- Native Linux ZFS with Lustre fully integrated
- Self-healing, with adaptive RAID with check-sums
- Transactional copy-on-write
- De-duplication, Thin Provisioning, & Compression
- Hybrid SSD/HDD Storage Pools
- Unlimited File Size & Storage Capacity
- Unlimited Snapshots & Clones
- Sync or Async Replication
- Web GUI, CLI, and full access to RHEL-style OS

### WARP 3800I-S Storage Matrix:

- ~7.2PB/rack raw capacity
- Up to 90x HDDs per enclosure
- Standard 64GB RAM/controller
- >15K IOPS per shelf

### WARP 3800I-H Hybrid Matrix:

- ~7.2PB/rack raw HDD capacity
- Up to 90x HDDs per enclosure
- Up to 96TB SSD capacity
- Standard 128GB RAM/controller
- 1M IOPS (cache hits) per shelf

### WARP 3800I-M Memory Matrix:

- Up to 3PB/rack w/ hi-cap SSD
- 24x SSD modules per enclosure
- Up to 1.5TB RAM per controller
- >2M IOPS per shelf



WARP Mechanics has enhanced and simplified these elements to take out the deployment and management complexity: customers only need to configure site-specific parameters before going live. Yet all the power remains inside, so the appliances are tunable for customers' applications.

In short, these products are denser, faster, more reliable, and run at a lower power-per-gigabyte metric than any competing system. Yet they come in at a lower cost compared to outdated storage from legacy OEMs.

Whichever Matrix solution you choose, WARP Mechanics provides the optimal approach for your data storage needs.