



## Features

- High density and capacity
- Up to 368TB<sup>1</sup> in 2U
- Low latency
- Dual Port SSDs
- Bandwidth match between SSDs (Storage) and I/O (Network) – No oversubscription
- RESTful API support for simplified management
- Vertically integrated Western Digital design: NVMe SSDs, fabric adapters and platform
- Superior serviceability and high quality global support services
- Industry leading – 5 year limited warranty

<sup>1</sup> One terabyte (TB) is equal to one trillion bytes.  
Actual user capacity may be less due to operating environment.

## OpenFlex™ Data24 NVMe-oF™ Storage Platform

### The Performance of NVMe™ Flash in Shared Storage

Western Digital's OpenFlex Data24 NVMe-oF™ storage platform extends the high performance of NVMe™ flash to shared storage. It provides low-latency sharing of NVMe SSDs over a high-performance Ethernet fabric to deliver similar performance to locally attached NVMe SSDs. Unsurpassed connectivity in its class using Western Digital RapidFlex™ NVMe-oF controllers, allows up to six hosts to be attached without a switch, like a traditional JBOF.

OpenFlex Data24 NVMe-oF storage platform can also be used as a disaggregated storage resource in an open composable infrastructure environment using the OpenFlex API. OpenFlex Data24 is built to deliver high availability and enterprise-class reliability. The entire platform, including SSDs, is backed with a 5-year limited warranty.

## Benefits

- Enables servers to share NVMe flash storage as if it were local
- Uses low latency fabric to fully utilize IOPS and capacity
- Provides more efficient use of large capacity SSDs
- High performance RapidFlex NVMe-oF controllers
- Fan out to six connections without a switch
- Balanced design to eliminate over-subscription and maintain NVMe performance
- Disaggregates NVMe shared storage for open composability
- Allows multiple hosts concurrent access at low latency
- Leverages mature standard NVM Express over Fabrics 1.0a
- Provides open composability in a 2U 24-bay platform

# OpenFlex™ Data24 NVMe-oF™ Storage Platform

## PRODUCT BRIEF

## Specifications

Hardware	Specifications	OpenFlex Data24
<ul style="list-style-type: none"><li>• 24 Dual port high-performance SSDs</li></ul>	<b>Form Factor</b>	2U
<ul style="list-style-type: none"><li>• Wide range of NVMe SSD capacity and endurance options<ul style="list-style-type: none"><li>- Ultrastar® DC SN840: 1DWPD: Up to 15360 GB</li><li>- Ultrastar DC SN840: 3DWPD: Up to 6400 GB</li></ul></li></ul>	<b>Front Drive Bays</b>	Up to 24 x U.2 NVMe SSDs
<ul style="list-style-type: none"><li>• High availability with dual IOM</li></ul>	<b>Power Supply</b>	2x 2000W Platinum 200–240VAC, CRPS, Hot Plug
<ul style="list-style-type: none"><li>• 3 PCIe x 16 slots/IOM</li></ul>	<b>Fabric Adapter Slots</b>	6x PCIe x16
<ul style="list-style-type: none"><li>• Up to six 100GbE ports with dual IOM at full performance</li></ul>	<b>Fabric Adapter(s)</b>	Western Digital RapidFlex NVMe-oF Fabric Adapter
<ul style="list-style-type: none"><li>• Western Digital RapidFlex NVMe-oF fabric adapters</li></ul>	<b>Cabling</b>	Passive (1 – 5M) and Active Optical (5 – 50M)
<ul style="list-style-type: none"><li>• OpenFlex inspired composability in a mainstream 2U24</li></ul>	<b>Platform Management</b>	ARM based BMC
<ul style="list-style-type: none"><li>• 28" (711mm) chassis depth – fits most commonly used short depth racks (800 – 1000 mm)</li></ul>	<b>Rear I/O</b>	1G-BASE-T Management Port (RJ-45)
	<b>HA Redundancy</b>	Dual IOMs, Dual Port SSDs, Dual PSUs, Dual Rotor Hot Plug fans
	<b>Environmental</b>	10°C – 35°C
	<b>Chassis Dimensions (Height x Width x Depth)</b>	8.75 × 44.80 × 71.12 cm 3.45" x 17.64" x 28" in
	<b>Weight</b>	Maximum 31.75 kg / 70 lb
	<b>Limited Warranty</b>	5 years standard

## Western Digital

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