ULTra
HARDWARE PLATFORM

ULTIMATE SERIES

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OPTIMUM SERIES

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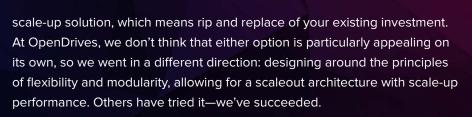
MOMENTUM SERIES

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THE FUTURE OF
Flexible Scalable Storage

OpenDrives high-performance enterprise storage evolves with the dynamic needs of your business

OpenDrives—Enterprise Storage Gets Flexible

Nobody purchases an enterprise storage solution just for the present. When you're trying to ensure longevity, you need to find one that not only works for your present users and projects but also adjusts to growth without having to "rip and replace." It's all about extending your return on investment as far into the future as possible, with a reduced total cost of ownership.

Scaling up your storage provides increased horsepower and throughput capabilities. When you need more capacity or more processing resources, you augment the existing solution until you reach its ability to scale up any further. You then face a critical choice: make do with a maxed-out solution, which is hardly a good choice for your business, or start over with another scale-up solution, which means rip and replace of your existing investment. At OpenDrives, we don't think that either option is particularly appealing on its own, so we went in a different direction: designing around the principles of flexibility and modularity, allowing for a scaleout architecture with scale-up performance. Others have tried it—we've succeeded.

By moving toward a more flexible scale-up and scale-out architecture, all controlled by our powerful Atlas software, we're able to give our customers the option of growing in the way they need based on their unique data environment. Whether they want to increase compute power or select from different capacity options, our customers can benefit from our new Ultra enterprise storage solutions that incorporate flexible modules to accommodate any workflow.

Flexibility To Outperform

The OpenDrives vision has always been to bring to market highly performant storage solutions. It's how we started, and it's deeply embedded in our DNA to make the fastest and most robust storage possible. So when we realized that scaling up would help our customers continue to perform, but not necessarily outperform, we knew that we had to find a better way. Each customer has a very different need, with custom workflows, specific toolsets, and other technical demands unique to that environment. In addition to performance, OpenDrives also values simplicity, flexibility, and scalability with an open IT ecosystem—we wanted to free our customers from closed, siloed architectures and give them the ability to scale in whatever ways they wanted and needed. The choice is now yours!

Ultra Hardware Platform

The ability to modularize different core components without creating burdensome functional silos means that IT infrastructures can grow and evolve with changing business and operational conditions. We designed discrete modules for compute, cache, and capacity functions to enable scalable growth while preserving ultra-high performance, super-low latency, and robust data integrity. All of these capabilities are powered by our Atlas software, which allows for complete operational transparency through a single pane of glass no matter how sophisticated your data ecosystem becomes, and underpin a new 2U form factor to greatly reduce footprint. With any OpenDrives storage solution built on the Ultra hardware platform, you can expect the same robust data integrity, ease of use, and centralized management that Atlas enables.

Ultimate Series

Organizations that must have the highest level of performance and throughput need the Ultimate. Designed with speed and low latency in mind, the Ultimate incorporates an all-flash NVMe design in the form of the F and FD capacity modules. No matter what type of data-intensive workflows you're running, the Ultimate provides unparalleled speed and performance at scale. If you simply can't afford not to outperform, the Ultimate Series is for you.

Optimum Series

Organizations that must strike a balance between performance and versatility need the Optimum. We designed the Optimum to be fast, with low latency, but with the additional option of all-flash NVMe and/ or HDD capacity modules (F, FD, H, HD* and HDX*). So even if your workflows are hungry for resources, the Optimum can handle the load thanks to our intelligent Atlas software. The Optimum is a workhorse that gives you plenty of options. If what you need is freedom of choice and lots of flexibility, the Optimum Series is for you.

Momentum Series

Organizations that must achieve performance and cost efficiency need the Momentum. It's capable of driving all of your high-performance non-interactive workflows such as read or write-intensive applications or nearline repositories. It's also ideal for disaster recovery scenarios. But that doesn't mean the Momentum can't handle the workload—far from it! And you get all the intelligent data handling that our Atlas software provides. The Momentum gives you power at a price point to meet any budget. If what you need is efficiency, the Momentum Series is for you.

powered by atlas

The Future of Storage

We know that the high-value outcomes most important to you aren't just technical. You have business-focused outcomes that go beyond raw technical specifications. Things like CapEx and OpEx control, managing more efficient operations, removing your users' obstacles so that they can really spread their creative wings, and extending the return on performance of your investments long into the future, all with lowered cost of ownership over the duration.

We designed our simple, flexible, and scalable Ultra Hardware Platform to incorporate architectural modularity so that you always have choices as you grow your storage infrastructure. As we continue to build out our solutions, you can be sure that increased flexibility and scalability will be a part of that architectural path. Not just because it makes sense from a technical perspective—because it makes sense from a business perspective as well.

ULTIMATE SERIES

Ultimate 25 compute module

| F storage capacity module | FD storage capacity module |

OPTIMUM SERIES

Optimum 15 compute module

| F storage capacity module | FD storage capacity module | |
| H storage capacity module | HD storage capacity module | HDX storage capacity module |

MOMENTUM SERIES

Momentum 5 compute module

| H storage capacity module | HD storage capacity module |
| HDX storage capacity module | |

Capacity Modules	F Module	FD Module	H Module	HD Module	HDX Module
Solution type	All-flash NVMe	All-flash NVMe	SAS HDD	SAS HDD	SAS HDD
Drive count	8	24	21	60	102
Drive capacities	0.96/1.92/3.84 TB	1.92/3.84/7.68/15.36 TB/30.72 TB	4/8/12/16 TB	16/18 TB	16/18 TB
Est usable capacities	4.8/9.6/19.2 TB	30/60/115/230/460 TB	50/100/150/200 TB	648/729 TB	1134/1275 TB
Rack units (RU)	2RU	2RU	2RU	4RU	4RU
Product depth	14.3 in (36.2 cm)	14.3 in (36.2 cm)	21 in (53.3 cm)	35 in (89 cm) w/CMA*	47.1 in (119.7 cm) w/CMA*
Physical weight (racked)	32.4 lbs (14.7 Kg)	40.8 lbs (18.5 Kg)	68.5 lbs (31.1 Kg)	179 lbs (81 Kg)	262 lbs (118.8 Kg)

*HD and HDX modules require deep racks

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