Momentum Series

When performance and cost-efficiency must be balanced

Functional Summary

The Momentum enterprise storage solution combines architectural flexibility with cost-efficient HDD capacity modules. The Momentum is intended for businesses that need a powerful enterprise storage solution with more cost-efficient capacity options. Powered by our Atlas software platform, the Momentum offers not only performance, cost-effectiveness, and the ability to scale massively in multiple dimensions (scale out with scale up performance) but also provides intelligent data integrity, ease of use, and transparent centralized management. The following table includes the operational specifications for the Momentum Series.

Technical Specifications

Momentum 5	
Throughput	Up to 5 GB/s
Network protocols	SMB up to v3
	NFS up to v4
Notification & monitoring	SMTP, Webhooks/API, SNMP
Management	Web interface, RESTful API

Configuration				
CPU	12 cores @ 1.9 GHz			
RAM	256 GB DDR4 ECC			
	Ports	Speed	Connector	Supported Speeds
Ethernet connectivity	4	100 Gbps	QSFP28	1/10/25/40/50/100 GbE
	2	10 Gbps	RJ45	1/10 GbE
Out-of-band management	IPMI 2.0			
System drives	Mirrored SSDs			
Supported platforms	Atlas 1.5 or later			
High availability compatible	Yes			
Maximum F or FD modules	0			
Maximum H or HD modules	16			

Dimensions	
Form factor	2 rack units (RU)
Physical height	3.5 in (8.9 cm)
Physical width	17.5 in (44.5 cm)
Physical depth	20.1 in (51.1 cm)

Power	
Power supplies	Dual redundant 800W
Power supply input	100-240 VAC / 50-60 Hz
Power certification	Platinum
Steady power	350W

Temp range	
Env operating temperature	50° F - 85° F (10° C - 30° C)
Env non-operating temperature	14° F - 122° F (-10° C - 50° C)

Supported Capacity Module Specifications

Attributes	H Module	HD Module
Solution type	Flash	Flash
Drive interface	NVMe over PCIe	NVMe over PCIe
Drive form factor	2.5" U.2	2.5" in U.2
Drive count	8	24

Power	H Module	HD Module
Power supplies	Dual redundant 800W	Dual redundant 800W
Power supply input	100-240 VAC / 50-60 Hz	100-240 VAC / 50-60 Hz
Power certification	Platinum	Platinum
Steady power	250 W	250 W

Dimensions	H Module	HD Module
Form factor	2 rack units (RU)	4 rack units (RU)
Physical height	3.5 in (8.9 cm)	7 in (17.8 cm)
Physical width	17.5 in (44.5 cm)	17.5 in (44.5 cm)
Physical depth	20.1 in (51.1 cm)	27.5 in (69.9 cm)

Temp range	H Module	HD Module
Env operating temperature	50° F - 85° F (10° C - 30° C)	50° F - 85° F (10° C - 30° C)
Env non-operating temperature	14° F - 122° F (-10° C - 50° C)	14° F - 122° F (-10° C - 50° C)

Options	H4	H8	H12	H16	HD4	HD8	HD12	HD16
Drive sizes	4 TB	8 TB	12 TB	16 TB	4 TB	8 TB	12 TB	16 TB
Pool usable capacity*	50 TB	100 TB	150 TB	200 TB	165 TB	330 TB	495 TB	660 TB

* Based on all drives in OpenDrives standard dual parity pool

open drives.