

Optimum Series

When flexibility in a workhorse is key



Functional Summary

The Optimum enterprise storage solution combines architectural flexibility with the ability to select either all-flash and/or HDD capacity modules. The Ultimate is intended for businesses that need multiple capacity options while leveraging the performance of this workhorse storage solution. Powered by our Atlas software platform, the Optimum offers not only performance and the ability to scale massively (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 Optimum Series.

Technical Specifications

Ultimate 25 overview

Throughput	Up to 15 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	8 cores @ 3.8 GHz			
RAM	1 TB 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	1			
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	F Module	FD 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	F Module	FD 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	220 W	450 W

Dimensions	F Module	FD Module
Form factor	2 rack units (RU)	2 rack units (RU)
Physical height	3.5 in (8.9 cm)	3.5 in (8.9 cm)
Physical width	17.5 in (44.5 cm)	17.5 in (44.5 cm)
Physical depth	13.4 in (34.0 cm)	13.4 in (34.0 cm)

Temp range	F Module	FD 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	F1	F2	F4	F8	F16	FD2	FD4	FD8	FD16
Drive sizes	960 GB	1.92 TB	3.84 TB	7.68 TB	15.36 TB	1.92 TB	3.84 TB	7.68 TB	15.36 TB
Pool usable capacity*	4.8 TB	9.6 TB	19.2 TB	38.5 TB	77 TB	30 TB	60 TB	115 TB	230 TB

* Based on all drives in OpenDrives standard dual parity pool

Supported Capacity Module Specifications (continued)

Attributes	H Module	HD Module
Solution type	HDD	HDD
Drive interface	12 Gb SAS	12 Gb SAS
Drive form factor	3.5"	3.5"
Drive count	21	72

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)	2 rack units (RU)
Physical height	3.5 in (8.9 cm)	3.5 in (8.9 cm)
Physical width	17.5 in (44.5 cm)	17.5 in (44.5 cm)
Physical depth	13.4 in (34.0 cm)	13.4 in (34.0 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