

Features and specifications

Product features, technical specifications

Lenovo

Features and specifications

Features	DM3010H specifications
CPU	Intel Ice Lake 8C / 2.2 GHz
System memory	128 GB DDR4-2933 ECC SODIMM
Form factor	2U12
Maximum HDDs per system	144
OS version	ONTAP 9.13.1P1 and later
Protocols support	NVMe/TCP, FC, iSCSI, NFS, CIFS/SMB
Mas raw capacity per HA pair	2.3 PB
Support enclosures	• 7D7Z DM600S 4U60 • 7D7Y DM240S 2U24 • 7D7X Dm120S 2U12
I/O adapters	• Eight 32 G FC • Eight 25 GbE • Eight 10GBase-T • Eight 32 G FC + two 25 GbE

DM Series comparison

DM Series	DM3000H	DM3010H	DM5000H	DM5000F	DM5100F	DM7000H	DM7000F	DM7100H	DM7100F
Form factor	2U	2U	2U	2U	2U	3U	3U	4U	4U
CPU cores	12	8	24	24	24	32	32	40	40
Physical memory	64 GB	128 GB	64 GB	64 GB	128 GB	256 GB	256 GB	256 GB	256 GB
Max drive count	144	144	144	144	48	480	384	720	480
NVDIMM/NVRAM	8 GB	8 GB	8 GB	8 GB	16 GB	16 GB	16 GB	32 GB	32 GB
Onboard / Pre-configured ports									
100 GbE	-	-	-	-	-	-	-	4	4
25 GbE	-	4 or 8	-	-	4	-	-	4 or 12	4 or 12
32 Gb FC	-	4 or 8	-	-	-	-	-	-	-
16 Gb FC	-	-	-	-	-	-	-	0 or 8	0 or 8

DM Series comparison

DM Series	DM3000H	DM3010H	DM5000H	DM5000F	DM5100F	DM7000H	DM7000F	DM7100H	DM7100F
32 Gb FC	-	4 or 8	-	-	-	-	-	-	-
16 Gb FC	-	-	-	-	-	-	-	0 or 8	0 or 8
40 GbE	-	-	-	-	-	-	-	-	-
10 GbE	4	-	4	4	-	4	4	-	-
10GBASE-T	0 or 8	8	0 or 8	0 or 8	4	4	4	-	-
UTA2	0 or 8	-	0 or 8	0 or 8	-	8	8	-	-
SAS	4 (12 Gb)	6 (12 Gb)	4 (12 Gb)	4 (12 Gb)	-	8 (12 Gb)	8 (12 Gb)	8 (12 Gb)	8 (12 Gb)
I/O expansion slots	-	2	-	-	4	0 or 4	4	10	10
ONTAP® support	9.4RC1+	9.13.1P1	9.4RC1+	9.4RC1+	9.8GA+	9.1GA+	9.1RC1+	9.7GA+	9.7GA+

DM Series storage cluster node limits

Maximum cluster nodes	NAS	SAN
DM3010H	24	12

Maximum cluster nodes (mixed)	NAS	SAN
DM7100	24	12
DM5100		
DM7000		
DM5000		
DM3000		