

DM5100F features and specifications

Product features, technical specifications

Lenovo

Features and specifications

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

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100 GbE	N/A	N/A	N/A	N/A	N/A	N/A	Four	Four
25 GbE	N/A	N/A	N/A	4	N/A	N/A	Four or 12	Four or 12
32 Gb FC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16 GB FC	N/A	N/A	N/A	N/A	N/A	N/A	Zero or eight	Zero or eight
40 GbE	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10 GbE	Four	Four	Four	N/A	Four	Four	N/A	N/A
10GBASE-T	Zero or eight	Zero or eight	Zero or eight	Four	Four	Four	N/A	N/A
UTA2	Zero or eight	Zero or eight	Zero or eight	N/A	Eight	Eight	N/A	N/A
SAS	Four (12 Gb)	Four (12 Gb)	Four (12 Gb)	N/A	Eight (12 Gb)	Eight (12 Gb)	Eight (12 Gb)	Eight (12 Gb)
I/O expansion slots	N/A	N/A	N/A	Four	Zero or four	Four	10	10
ONTAP support	9.4 RC1+	9.4 RC1+	9.4 RC1+	9.8GA+	9.1 GA+	9.1 RC1+	9.7 GA+	9.7 GA+

DM Series storage cluster node limits

Maximum cluster nodes for homogeneous clusters	NAS	SAN
DM5100	24	12

Maximum cluster nodes for heterogeneous (mixed) clusters	NAS	SAN
DM7100	24	12
DM7000		
DM5000		
DM3000		

DM5100F aggregate and volume sizes

	DM5100F
Maximum number of volumes	2,500
Maximum aggregate size	400 TiB
Maximum volume size	100 TiB
Maximum root aggregate size	185 GiB
Maximum root volume size	150 GiB

DM5100F controller adapter cards

- A maximum of four adapters in a system
- All adapters must be installed in pairs
- Support for a mix of Fibre Channel and Ethernet cards

Card Description	Connectivity	Slot 1 Support	Slot 2 Support
Four-port, 10/25 Gb Ethernet, (RoCEv2), SFP28	Host	Yes	Yes
Four-port, 32 Gb Fibre Channel, SFP+	Host	Yes	Yes
Two-port, 100 Gb Ethernet, (RoCEv2), QSFP28	Storage expansion	Yes	No

DM5100F supported drives

This table lists the drives supported by the DM5100F. All drives are sold in packs of six.

2.5-inch NVMe hot-swap SSDs
Lenovo ThinkSystem 11.5 TB (six 1.92 TB NVMe Non-SED) Drive Pack
Lenovo ThinkSystem 23 TB (six 3.84 TB NVMe Non-SED) Drive Pack
Lenovo ThinkSystem 11.5 TB (six 1.92 TB NVMe SED) Drive Pack
Lenovo ThinkSystem 23 TB (six 3.84 TB NVMe SED) Drive Pack
Lenovo ThinkSystem 23 TB (six 3.84 TB NVMe SED FIPS) Drive Pack
Lenovo ThinkSystem 46 TB (six 7.68 TB NVMe SED) Drive Pack
Lenovo ThinkSystem 92 TB (six 15.36 TB NVMe SED) Drive Pack