

# Servicing the Lenovo ThinkSystem DM5100F storage system

The Lenovo logo is a green vertical rectangle with the word "Lenovo" written in white, oriented vertically from bottom to top.

Lenovo

ES52101  
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# Prerequisites

[ES71914B - Servicing the Lenovo ThinkSystem DM Series storage](#)

[ES42026 - ONTAP 9.7 Administration](#)

[ES51592 - Servicing the Lenovo ThinkSystem DM7100 Series and the DM240N](#)

## Objectives

After completing the course, you will be able to:

- Describe the ThinkSystem DM5100F and its components
- List the features and specifications
- Describe how to connect the cables in the DM5100F
- Provide an overview of ONTAP 9.8
- Describe the FRU replacement procedures
- Describe the problem determination steps and explain how to troubleshoot issues with the ThinkSystem DM5100F

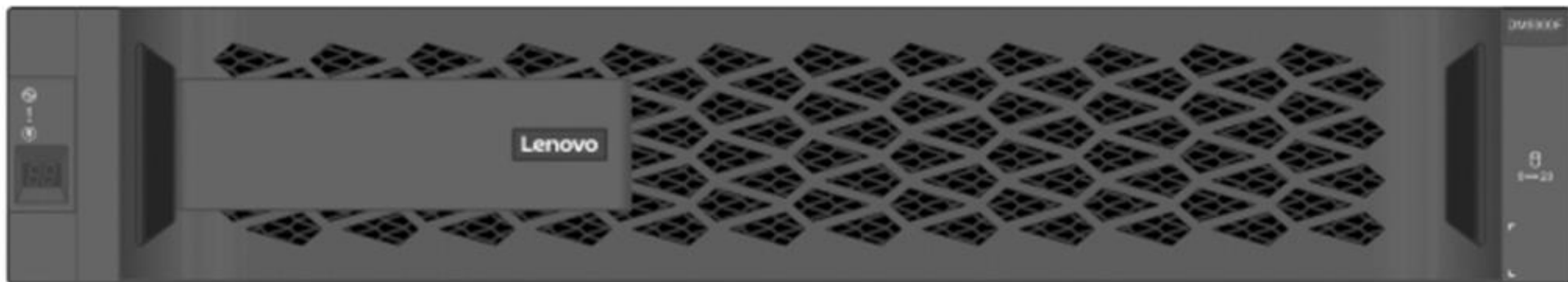
# Product overview

Product description and front, rear, and inside views

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## DM5100F product overview

The new mid-range DM5100F (MT: 7D3K) is an All-Flash Array (AFA) storage system, and it is only available in a dual-controller configuration. The DM5100F can be configured with either four 25 Gb Ethernet SFP28 ports or four 10GBASE-T Ethernet ports. The DM5100F Series uses ONTAP 9.8 or later software.



## DM5100F enclosure – front view with cover

- Full NVMe AFA solution – MT: 7D3K
- 2U enclosure with support for 24 2.5-inch NVMe SSDs
- One 12-core CPU per storage controller, 24 cores in a high-availability (HA) pair
- 64 GB of memory (128 GB in an HA pair), 8 GB NVMEM (16 GB in an HA pair)
- One DM240N NVMe expansion shelf of SSDs per HA pair to support up to 48 drives

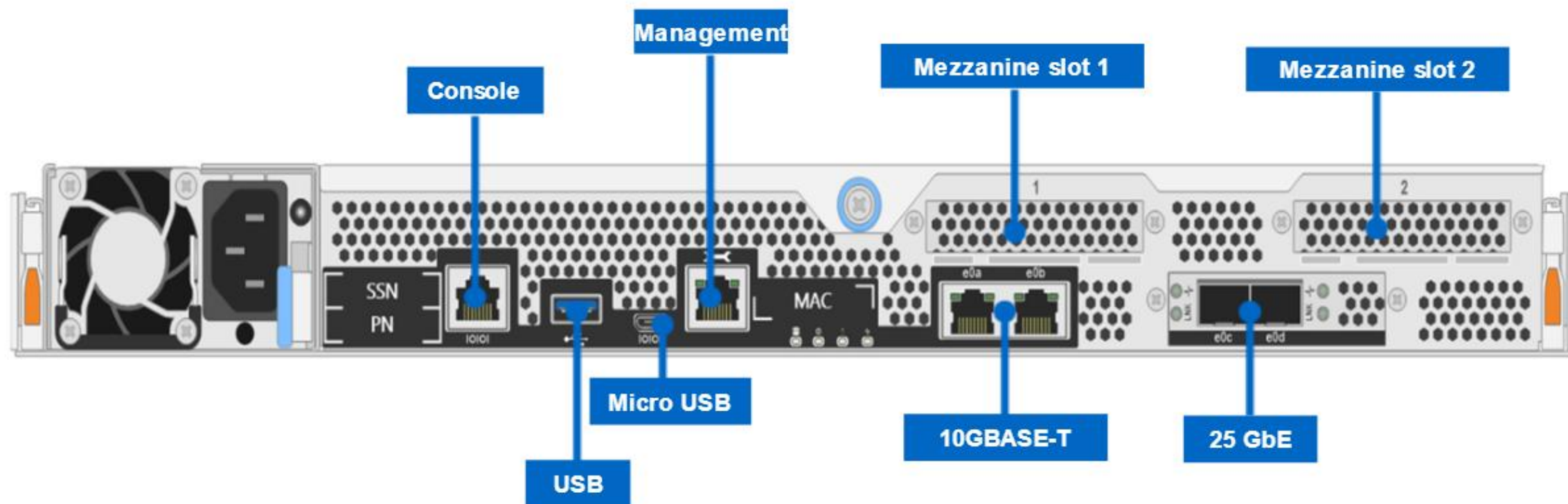


## DM5100F enclosure – rear view

Each DM5100 Series enclosure has two controllers. Each controller has two power supply units (PSU) that support 110 or 220 V ac.

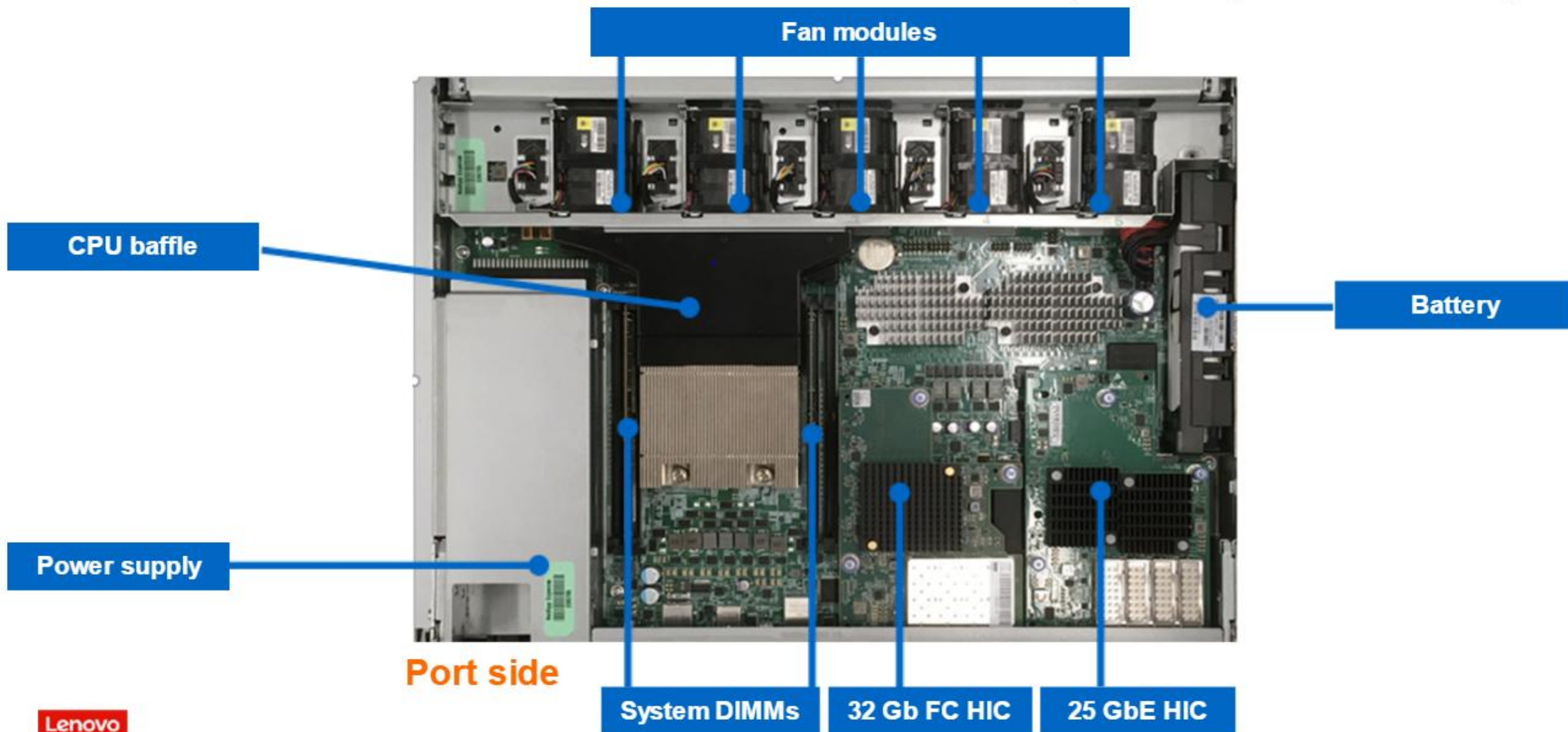


## DM5100F controller – onboard ports



**Note:** The RJ45 and micro USB serial console ports cannot be used at the same time.

## DM5100F controller – inside view with HICs, baffle, and battery



# DM5100F controller – inside view without HICs, baffle, or battery

