

Problem determination and troubleshooting

Controller module LEDs and service information

Lenovo

Problem determination and troubleshooting overview

The troubleshooting procedures for the DG5000 and DG7000 are same as those for DM Series storage controllers.

Refer to the Problem determination and troubleshooting section of course [ES71914C - Servicing the Lenovo ThinkSystem DM Series storage](#) for detailed problem determination and troubleshooting steps.

LED descriptions

Use the LEDs on the front controller module, the rear side of the system, and the system board for hardware status monitoring and problem determination. For more information about DG Series LEDs, refer to the System components section of the Hardware Installation and Maintenance Guide on [ThinkSystem Storage Documentation](#).

[ThinkSystem Storage DM Series](#) > [ThinkSystem DM7100F](#)

Language: English ▼

System components

This section provides information to help you locate your DM7100 components.

[Front view](#)

The following illustration shows the front view of the DM7100 with the front bezel removed.

[Rear view](#)

The rear view of the storage provides access to the system connectors and components.

[Rear view LEDs](#)

The illustration in this section shows the LEDs on the rear of the storage unit.

[PCIe slots](#)

The DM7100F supports five (5) x16 PCIe slots per controller. These slots are used to add extra adapters for host, storage, or cluster connectivity. The tables below show the supported adapters, the max number supported per controller, and the adapter slot priority.

DG5000 LEDs - Front

Controller module LEDs - Front

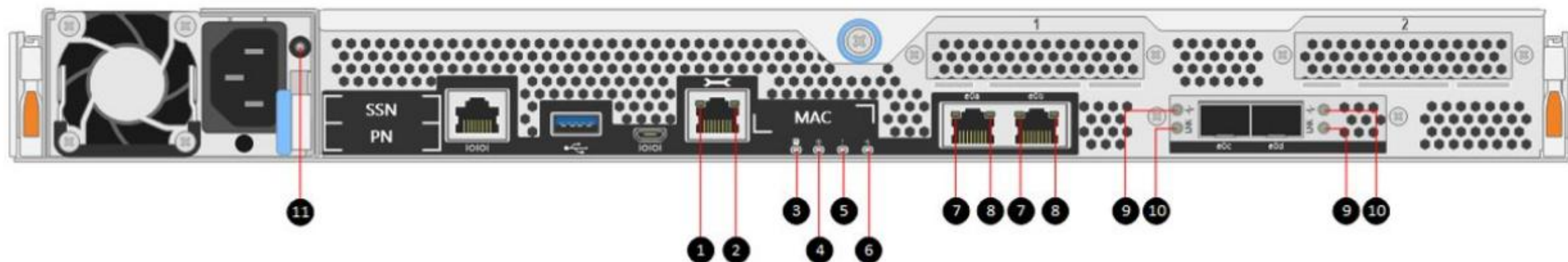


- ❶ Chassis Power (Green, on)
- ❷ Chassis Attention (Amber, fault)
- ❸ Location (Blue, on or flashing)

- ❹ Drive Activity (Green, on or flashing)
- ❺ Drive Fault (Amber, on)

DG5000 LEDs - Rear

Controller module LEDs - Rear

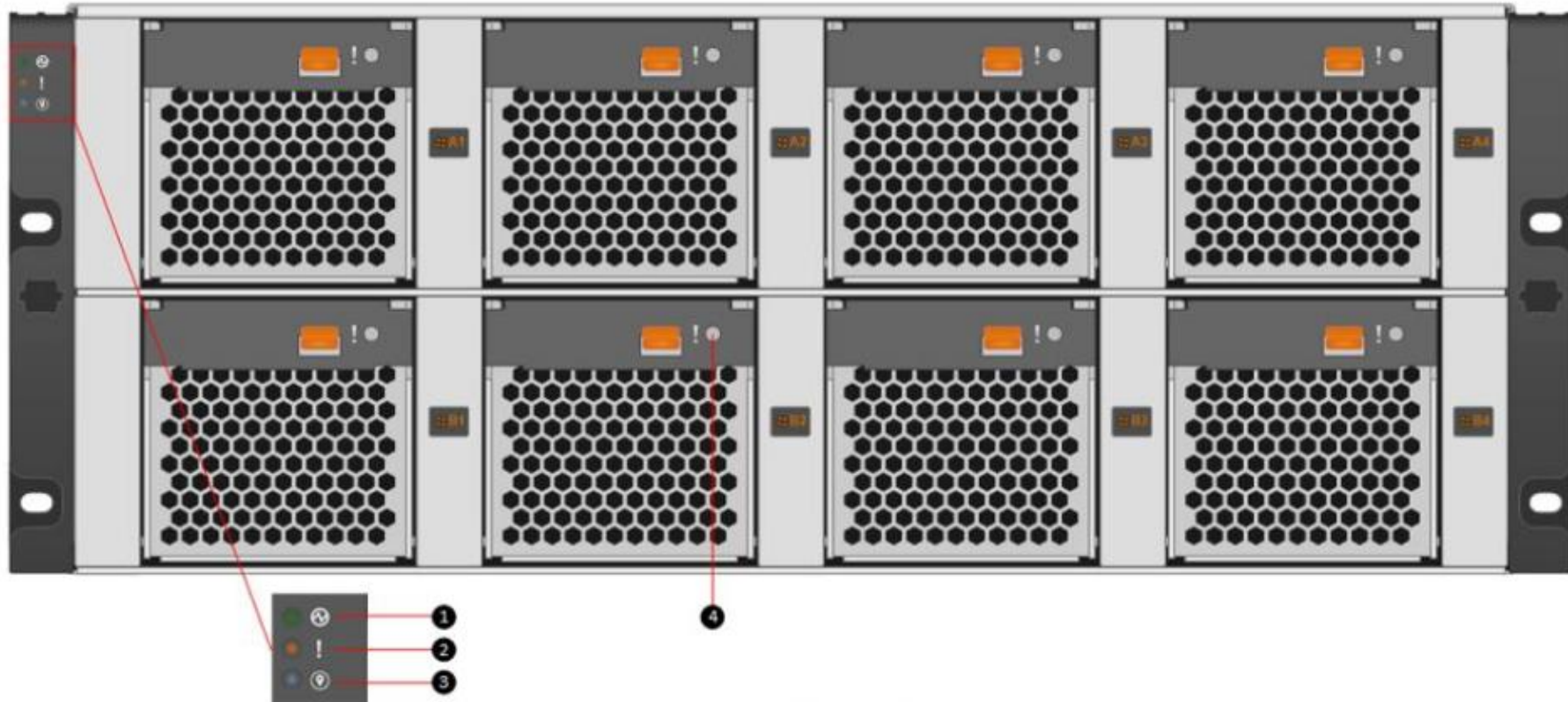


- ① Ethernet Port Link
- ② Ethernet Port Activity
- ③ NVMEM Destage
- ④ Controller Location
- ⑤ Controller Attention
- ⑥ Controller Activity

- ⑦ Ethernet Port Link
- ⑧ Ethernet Port Activity
- ⑨ 25GbE Port Link
- ⑩ 25GbE Port Attention
- ⑪ Power Supply

DG7000 LEDs - Front

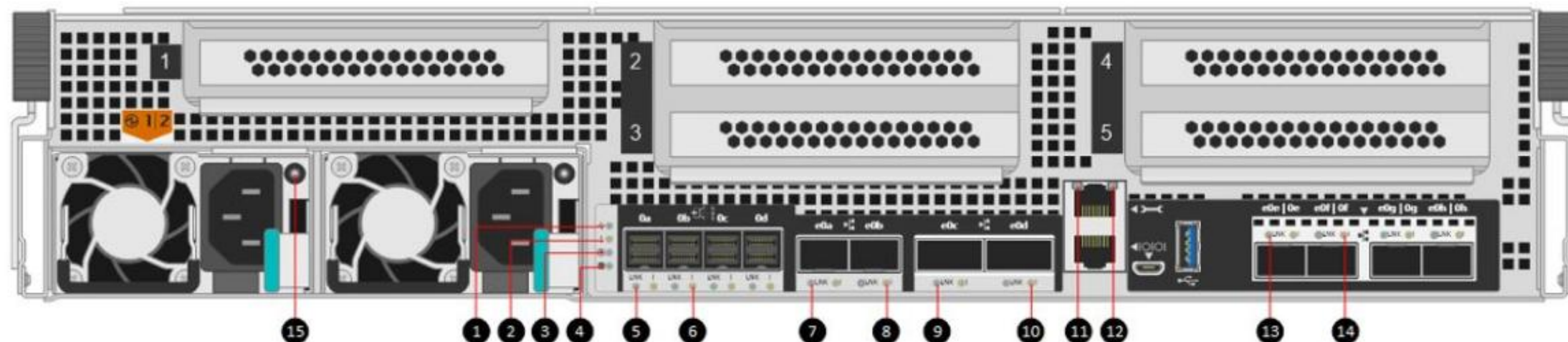
Controller module LEDs - Front



- ① Chassis Power (Green, on)
- ② Chassis Attention (Amber, fault)
- ③ Location (Blue, on or flashing)
- ④ Fan Fault (Amber, fault)

DG7000 LEDs - Rear

Controller module LEDs - Rear



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|---|----------------------|---|---------------------------------|
| ① | Controller Activity | ⑨ | 100GbE Port Link |
| ② | Controller Attention | ⑩ | 100GbE Port Attention |
| ③ | Controller Location | ⑪ | Port Link (Green, solid) |
| ④ | NVMEM Destage | ⑫ | Port Activity (Green, blinking) |
| ⑤ | SAS Port Link | ⑬ | FC or Enet Port Link |
| ⑥ | SAS Port Attention | ⑭ | FC or Enet Port Attention |
| ⑦ | 25GbE Port Link | ⑮ | Power Supply |
| ⑧ | 25GbE Port Attention | | |