

Product overview: DE4200 and DE4800

New DE Series models released in May 2025

Lenovo

DE4200 and DE4800 product overview

- The DE4200H (machine type: 7DCA, 7DCQ) is a 2U, 12- or 24-drive storage enclosure
- The DE4800H (machine type: 7DCB, 7DCR, 7DCS) is a 2U or 4U storage enclosure with support for up to 60 drives
- The DE4800F (machine type: 7DCC) is 2U, 24-drive storage enclosure with support for all-flash drives



DE4200 and DE4800 machine types

Marketing name	Machine type	Support drive type	Form factor
DE4200H	7DCA	Hybrid (hard drives and flash drives)	2U12
	7DCQ		2U24
DE4800H	7DCB	Hybrid (hard drives and flash drives)	2U12
	7DCR		2U24
	7DCS		4U60
DE4800F	7DCC	Flash drives only	2U24

DE4200 and DE4800 system specifications comparison

	DE4200H	DE4800H	DE4800F
CPU	Intel Xeon D series processors (Intel codename: Ice Lake D), 4-core		
Form factor	<ul style="list-style-type: none"> 2U, 12 3.5-inch drives 2U, 24 2.5-inch drives 	<ul style="list-style-type: none"> 2U, 12 3.5-inch drives 2U, 24 2.5-inch drives 4U, 60 3.5-inch drives 	2U, 24 2.5-inch drives
Memory per controller	32 GB	32 or 64 GB	64 GB
Host interface card (HIC) options	Up to one HIC per controller plus SAS expansion ports <ul style="list-style-type: none"> Baseboard 10/25 G 2-port 32 Gb FC 4-port 10 Gb Base-T 4-port 12 Gb SAS 4-port Supports no-HIC configuration 	Up to one HIC per controller plus SAS expansion ports <ul style="list-style-type: none"> Baseboard 10/25 G 2-port 32 Gb FC 4-port 10 Gb Base-T 4-port 12 Gb SAS 4-port Supports no-HIC configuration 	Up to one HIC per controller plus SAS expansion ports <ul style="list-style-type: none"> Baseboard 10/25 G 2-port 32 Gb FC 4-port 10 Gb Base-T 4-port 12 Gb SAS 4-port Supports no-HIC configuration
Base ports	Four 25 Gb iSCSI ports		
Expansion ports	Two 12 Gb SAS ports		

Note: For the latest system specifications, refer to the DE4200 or DE4800 product guides on [Lenovo Press](#).

DE4200 and DE4800 system specifications comparison

	DE4200H	DE4800H	DE4800F
	<ul style="list-style-type: none">Supports no-HIC configuration	<ul style="list-style-type: none">Supports no-HIC configuration	<ul style="list-style-type: none">Supports no-HIC configuration
Base ports	Four 25 Gb iSCSI ports		
Expansion ports	Two 12 Gb SAS ports		
Maximum raw system capacity	2.1 PB	6.6 PB	368 TB
Expansion shelf Support	Up to: <ul style="list-style-type: none">Seven DE120S orFour DE240S	Up to: <ul style="list-style-type: none">Seven DE120S orSeven DE240S orFour DE600S	Up to four DE240S
Management	SAN OS 11.90.R2 or later version <ul style="list-style-type: none">ThinkSystem System ManagerThinkSystem SAN ManagerThinkSystem Storage Manager		

Note: For the latest system specifications, refer to the DE4200 or DE4800 product guides on [Lenovo Press](#).

DE4200 and DE4800 front views



Click the buttons to see front views of the DE Series enclosures

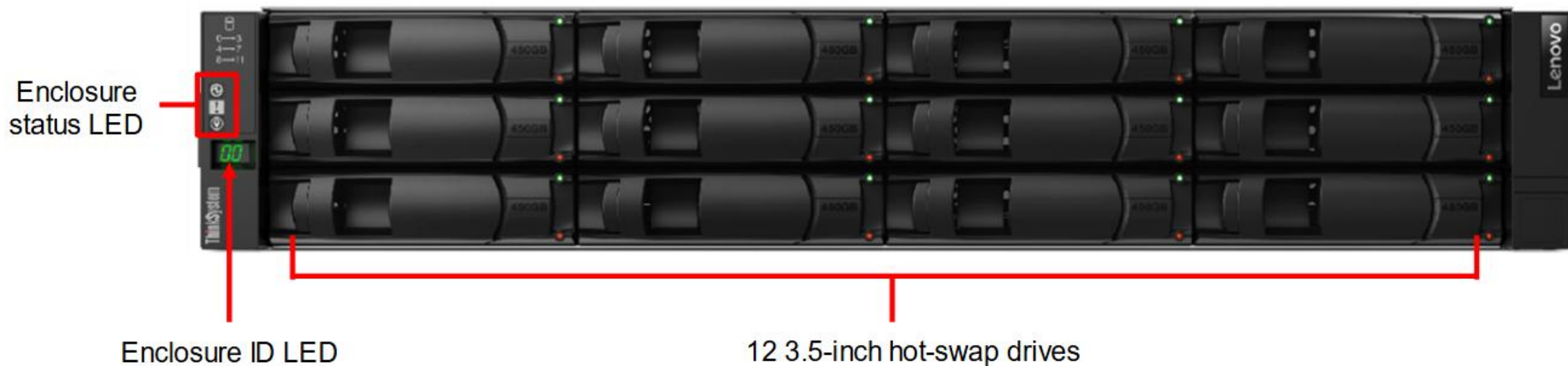
2U12

2U24

4U60

DE4200 and DE4800 front views

The DE4200H (MT 7DCA) and DE4800H (MT 7DCB) support the 2U12 enclosure.



2U12

2U24

4U60

DE4200 and DE4800 front views

The DE4200H (MT 7DCQ), DE4800H (MT 7DCR) and DE4800F (MT 7DCC) support the 2U24 enclosure.



DE4200 and DE4800 front views

The DE4800H (MT 7DCS) supports the 4U60 form-factor enclosure.



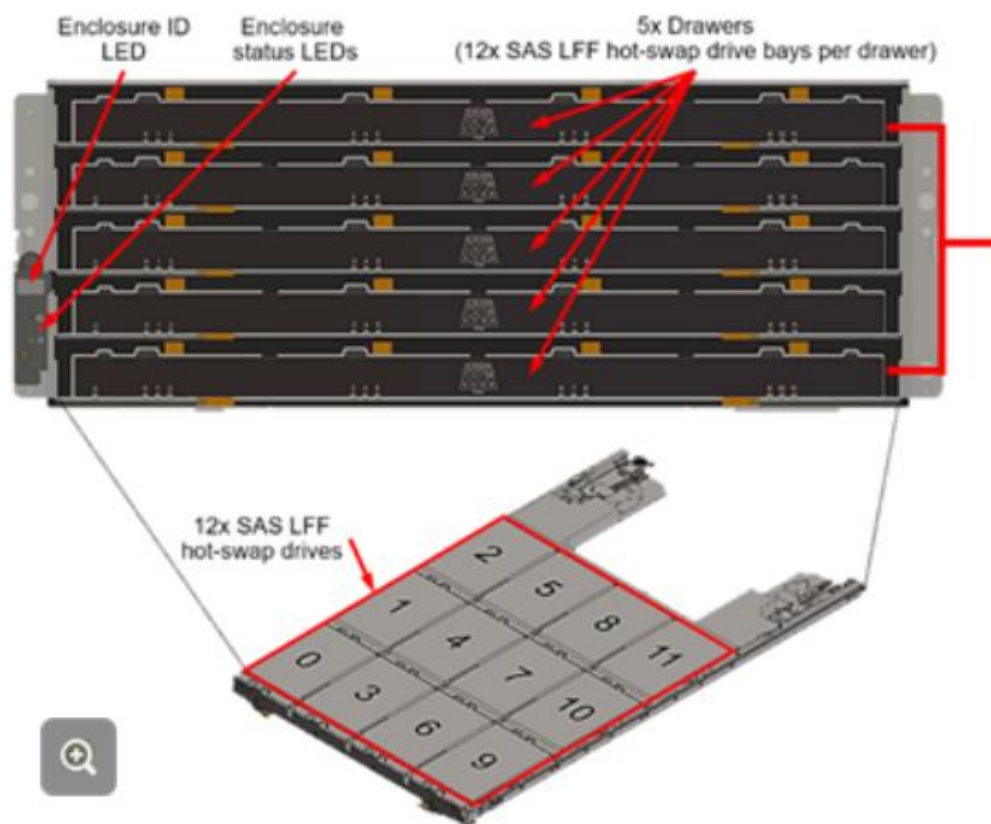
Click the arrow to
see the front view
without the
security bezel.

2U12

2U24

4U60

DE4200 and DE4800 front views



Drawers 1 to 5
(top to bottom)

The DE4800H 4U60 enclosure uses the DE4000 4U60 enclosure design. It contains five drive drawers with each drawer supporting twelve 3.5-inch or 2.5-inch drives.

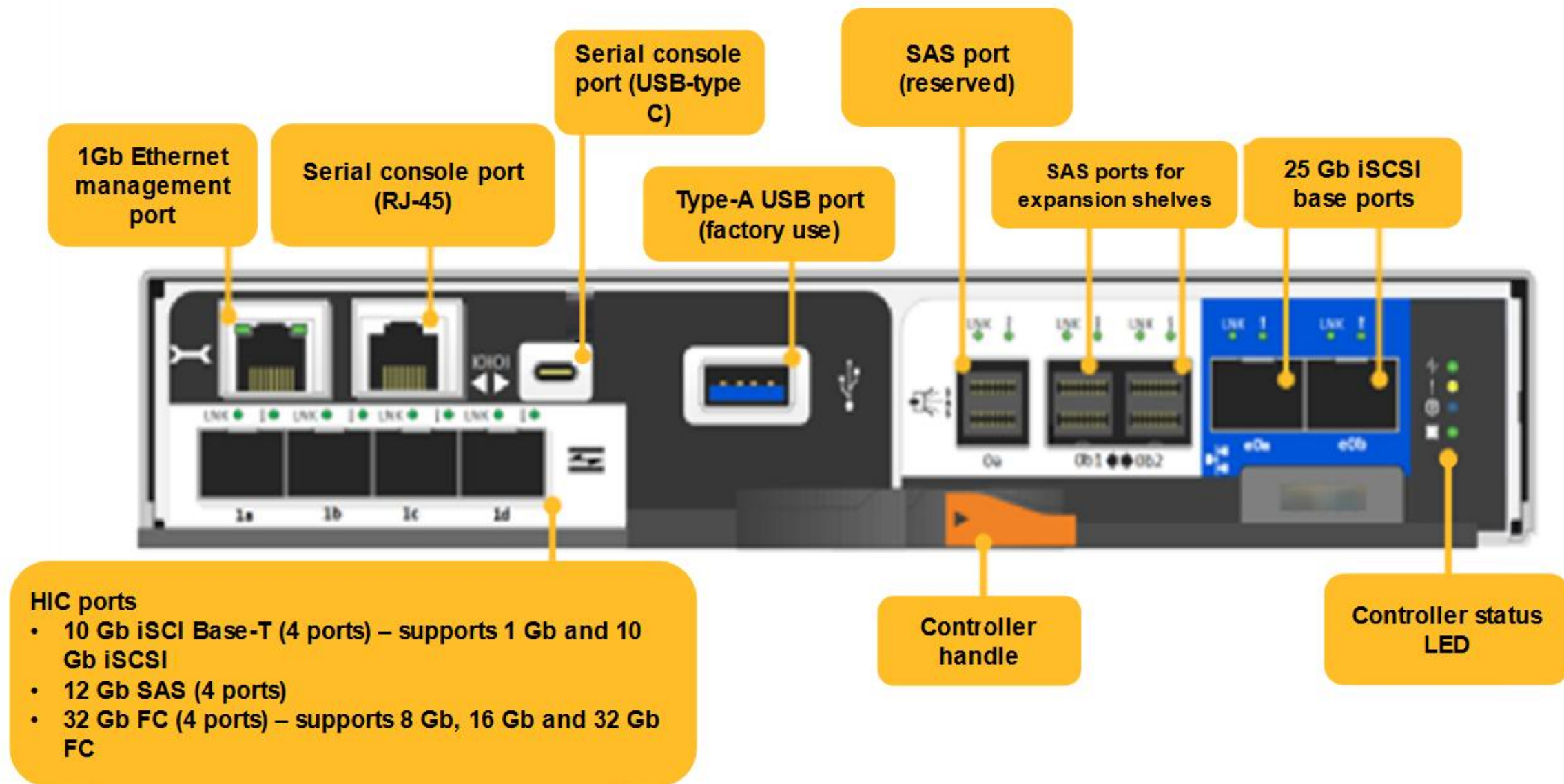
For proper cooling, a minimum of 20 drives are required, with four drives installed in the front row of each of the five drawers. There are no drive fillers.

2U12

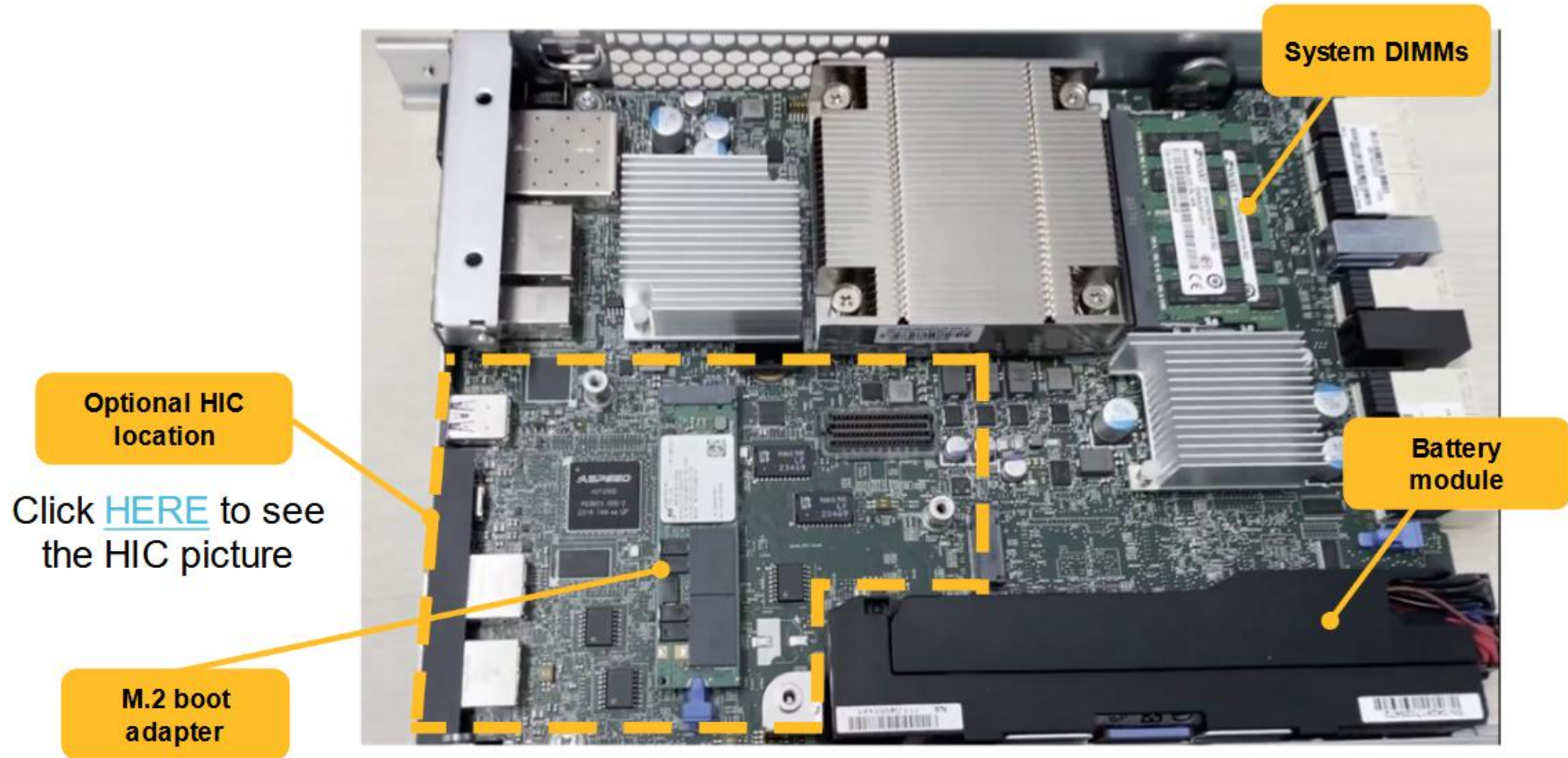
2U24

4U60

DE4200 and DE4800 controller ports



DE4200 and DE4800 controller inside view



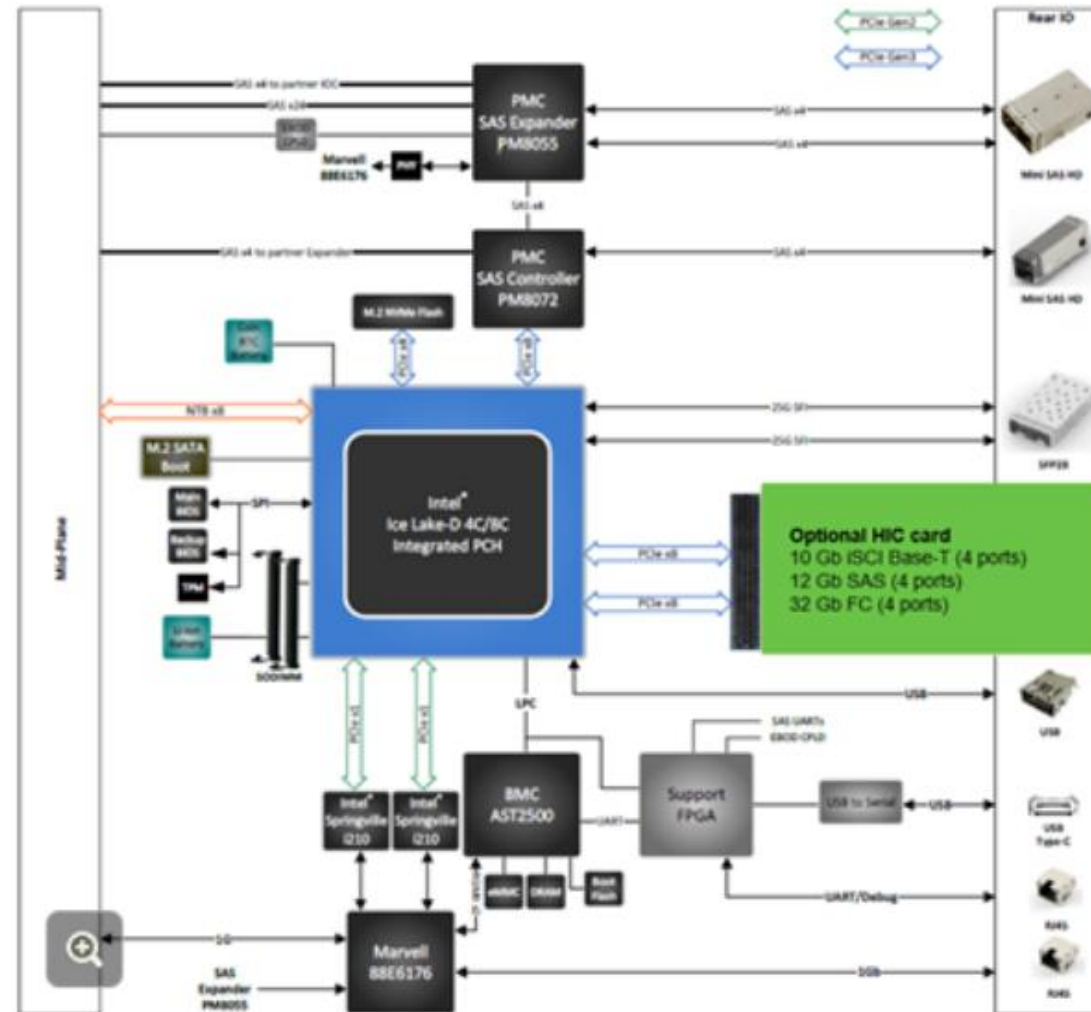
Note: Only the battery module and HIC are field replaceable parts. If DIMMs or M.2 boot adapters fail, the whole controller must be replaced.

DE4200 and DE4800 controller inside view



An optional 10GBase-T 4 ports HIC

DE4200 and 4800 controller block diagram



DE4200 and DE4800 LED descriptions

For DE4200 and DE4800 LED descriptions, refer to the *ThinkSystem DE Series Maintaining DE4200 and DE4800* documentation on the [Lenovo Storage Documentation website](#).

Lenovo

ThinkSystem DE Series
Maintaining DE6400 and DE6600



Components	Status	Description
1 Power LED	Solid green	One or more power supplies are delivering power to the shelf.
	Off	No power supply is delivering power to the shelf.
2 Attention LED (front)	Solid amber	There is an error with the function of one or more of the following: shelf, drives, IOMs, power supplies, or fans.
	Off	The system is operating normally.
3 Location LED (front)	Solid blue or blinking blue	The shelf location LED is manually activated to help locating the shelf. Note: The location LED turns off automatically after 30 minutes.
	Off	The location LED is not activated.
4 Shelf ID digital display	Number displayed	Display the digital shelf ID.