



Unity™ All Flash and Unity Hybrid Unity 480/F, Unity 680/F, Unity 880/F Hardware Information Guide

Contact Support

Technical specifications

Storage processor assembly specifications

PARAMETER (PER SP ASSEMBLY)	UNITY 480/480F	UNITY 680/680F	UNITY 880/880F
CPU	Two, 8-core 1.8 GHz Intel Skylake processors	Two, 12-core 2.1 GHz Intel Skylake processors	Two, 16-core 2.1 GHz Intel Skylake processors
Memory	96 GB (12 x 8 GB)	192 GB (12 x 16 GB)	384 GB (12 x 32 GB)
Embedded SAS ports	Two, 4-lane 12 GB SAS	Two, 4-lane 12 GB SAS	Two, 4-lane 12 GB SAS
Optional SAS ports	Four, 4-lane or two, 8-lane 12 Gb/s SAS I/O module	Four, 4-lane or two, 8-lane 12 Gb/s SAS I/O module	Four, 4-lane or two, 8-lane 12 Gb/s SAS I/O module

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DAE and drive specifications

Supported DAEs:

- 2U, 25-drive disk-array enclosure
- 3U, 15-drive disk-array enclosure
- 3U, 80-drive disk-array enclosure

Table 1. Drive and DAE support

PARAMETER	UNITY 480/480F	UNITY 680/680F	UNITY 880/880F
Maximum drives	750	1000	1500
Minimum drives	4	4	4
Maximum DAEs	48	60	60
Maximum 25-drive DAE	29 (750)	39 (1000)	59 (1500)
Maximum 15-drive DAE	48 (745)	60 (925)	60 (925)
Maximum 80-drive DAE	9 (745)	12 (985)	18 (1465)

Drive counts listed in parentheses next to the maximum amount of DAEs represent the maximum achievable drive count when using the maximum of each DAE, plus the 25 drives on the DPE.

Embedded module specifications

Supported optional 4-port cards:

- 10GbE BaseT 4-port card
- 25GbE 4-port card

The 4-port card can also be left unpopulated.

I/O module specifications

Supported I/O modules:

- 4-port 16Gb Fibre Channel I/O module
- 4-port 25GbE Optical I/O module
- 4-port 10GbE BaseT I/O module
- 4-port 12Gb SAS backend I/O module

Power supply unit specifications

You can use high line power, such as in a rack, or low line power, such as from a wall power outlet, to supply power to the DPE. A step-up transformer, not included, is required for low line power with Unity 880/880F systems.

Table 2. Power specifications per Unity model

MODEL	HIGH LINE	LOW LINE
Unity 480/480F	1800 W	1450 W
Unity 680/680F	1800 W	1450 W
Unity 880/880F	1800 W	1800 W (Step-up transformer required)

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