

CDS Generation 5 Tech Brief

Specifications for the CDS Generation 5 Appliance

Processing

CPU	RAM	Max Dedup Pool	Ethernet Ports	Boot Drives	SSD Drives
2 x 8-core Intel® Xeon® CPU E5-2667 v4 @ 3.20GHz	192 GB	128TB	3 x 10 Gbps Copper and 4 x 10Gbps Fibre per node There is no IMM port.	2 x 480 GB	2 x 1.8 TB on Node 1 only

Additional Information

Feature	In the Generation 5 Nodes
Battery Protection	2 internal battery units per node
Fibre Channel HBA	1 x Emulex 4 port 16 Gbps Fibre Channel Controller per node 1 x Emulex XE201 10 Gbps 4 port ethernet card per node
10 Gbps Ethernet Hardware	Emulex XE201 10 Gbps 4 port ethernet card
Heat output per node	Minimum configuration: 419.68 Btu per hour (AC 123 watts) Maximum configuration: 3480.24 Btu per house (AC 1020 watts)

Input-voltage and Power Requirements

Voltage	Frequency	Power requirements
100-127 / 200-240Vac	50 Hz or 60 Hz	~450 W typical, 700 W maximum (200 - 240V ac, 50 / 60 Hz)

Environmental Requirements without Redundant AC power

Environment/Altitude	Temperature	Relative humidity	Maximum dew point
Operating in lower altitudes 0 to 950 m (0 ft to 3,117 ft)	5°C to 40°C (41°F to 104°F)	8% to 85%	24°C (75°F)
Operating in higher altitudes 951 m to 3,050 m (3,118 ft to 10,000 ft)	5°C to 28°C (41°F to 104°F)	8% to 85%	24°C (75°F)

Physical specifications

Environment	Temperature	Altitude	Relative humidity	Maximum dew point
Turned off (with standby power)	5°C to 45°C (41°F to 113°F)	0 m to 3,050 m (0 ft to 10,000 ft)	8% to 85%	24°C (80.6°F)
Storing	1°C to 60°C (33.8°F to 140.0°F)	0 m to 3,050 m (0 ft to 10,000 ft)	5% to 80%	29°C (84.2°F)
Shipping	-40°C to 60°C (-40°F to 140.0°F)	0 m to 10,700 m (0 ft to 34,991 ft)	5% to 100%	29°C (84.2°F)

Dimensions and weight

Height	Width	Depth	Maximum weight
87 mm (3.4 in.)	447 (17.6 in)	765 mm (30.1 in)	25 kg (55 lb) to 30 kg (65 lb) depending on configuration

Additional space requirements

Location	Additional space requirements	Reason
Left side and right side	Minimum: 50 mm (2in.)	Cooling air flow
Back	Minimum: 100 mm (4 in.) If the cable-management arm is used, allow 177 (7 in.)	Cable exit