

Centera Content-Addressed Storage System



Specifications

Architecture

Redundant Array of Independent Nodes (RAIN)

Capacity

Raw Storage Capacity: 16 to 128 terabytes per EMC® Centera® cabinet

Mirrored: 7.7 to 61.6 terabytes per EMC Centera cabinet*

Parity-Protected: 26.4 to 105.7 terabytes per EMC Centera cabinet* (8 or more nodes required)

Maximum Capacity: Scalable to multiple petabytes

* 1 TB = 1,000,000,000,000 bytes. Usable capacity calculated for an average file size of 250 KB. Usable capacity will depend on the file size and the number of storage nodes.

Connectivity

Gigabit copper* Ethernet connections (1 gigabit per second per access node)

*Optical connection also available with separately purchased SPF module.

Protocol Support

TCP/IP

Availability Features

Highly scalable and reliable:

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- Always two copies of data objects
- Self-healing if capacity component fails
- Automatic failover of client Ethernet connections
- Continuous background data validation
- Supports inlet power from two AC power sources per 16 nodes with automatic failover
- Auto-Call remote reporting, diagnostics, and maintenance
- Non-disruptive software maintenance and updates
- Field-replaceable maintenance
- Can be replicated for business continuance and disaster recovery purposes

Dimensions

Height	Width	Depth	Weight
(in/cm)	(in/cm)	(in/cm)	(lb/kg, max)
75/190	24/61	40/100	1,620/735

Service Area: 30 in. (76 cm) front; 36 in. (91 cm) rear; 18 in. (45.7 cm) top

Power Specifications

	North America	International
Input Voltage (VAC)	200–240	200–240
Frequency (Hz)	60	50–60
Phasing	single phase*	single phase*
Circuit Breaker (A) max. per AC power source	30A/PDU	30A/PDU
Four inputs per rack for redundant power and greater than 16 node configurations		
Non-polarized, User-supplied Connector	L6-30P	IEC-309-332P6 IP-57R (Australia)
No rack-level ATS requirement (built-in dual AC inlet to every node)		
Non-polarized, Power Connector	L6-30P	IEC-309-332P6 IP-57P (Australia)
Auto-Call Modem Requirements	If not powered by the cabinet's 220 VAC power, the North American Auto-Call modem requires connection to a 110 VAC power source at 60 Hz through a NEMA 5-15R receptacle. International installations are country-specific.	

*Note: Standard power is single phase; three-phase options available.

Environmental Specifications

Temperature (°F/°C) operating	41–104/5–40
Power Capacity per Cabinet (kVA)	9,600 VA max. @ 200 V per cabinet
Maximum Heat Dissipation per Cabinet (Btu/hr)	32,800 Btu/hr max. per cabinet
Altitude (ft/m) max.	10,000/3,000 operating 25,000/7,692 non-operating
Humidity (%) non-condensing	20–80 (10–90 non-operating)
Raised Floor	Not required

Regulatory and Agency Certifications

UL Listing/Recognition to UL 60950 (safety—US)
CSA Certificate or C-UL Listing/Recognition to CSA 22.2 60950 (safety—Canada)
TUV License to EN 60950 (safety—Europe)
TUV CB Certificate to IEC 60950 (safety—International)
FCC Part 15B class A (US)
Industry Canada ICES-003 class A (Canada)
CISPR22:1997 3rd Edition Class A (International)
EN55022:1998 (Europe)
EN55024:1998 (Europe)
EN61000-3-2 (Europe)
EN61000-3-3 (Europe)
VCCI Approval to V.3 (Japan)
BSMI Approval to CNS13438 (Taiwan)
ACA Ctick Approval to AS/NZS 3548 (Australia)
MIC (Korea)
GOST (Russia)
IRAM (Argentina)

Warranty and Support Options

Standard two-year Enhanced Warranty: 5x9 next-business-day onsite support, 7x24 remote support. Customer responsible for self-service tasks; resetting modems and nodes.

Optional Premium Maintenance Upgrade: 7x24 onsite support, four-hour response-time commitment, and Critical Problem Escalation Management and Comprehensive Root-Cause Analysis.



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