EMC ATMOS G3 SERIES

Atmos G3 series introduces the Atmos G3-Dense-480. The G3-Dense-480 offers a variety of configuration options, including support for various disk capacities as well as support for rack based solutions consisting of 4, 6, or 8 Atmos G3-Dense nodes. The Atmos G3-Dense node consists of 60 disks per node.

EMC Atmos G3-Dense-480 Cloud Storage Platform

Specifications

EMC ATMOS G3-DENSE-480 PRIMARY FEATURES

The Atmos G3-Dense-480 provides the following features and capabilities

- Dense Node architecture
    - o 60 Disk Nodes
    - o SAS direct attached storage
    - o Intel x86 Architecture
- 10 GbE Node network connectivity
    - o 10 GbE network connectivity from node to network
    - o Various network interfaces supported
- EMC 40U Rack based solution
    - o 4, 6, 8 node configurations
    - o HA Power
    - o Field and Customer Serviceable components

EMC ATMOS G3-DENSE-480 DETAILED SPECIFICATIONS

G3-DENSE-480

ARCHITECTURE	Standard 40U deep cabinet
	2U 4 server enclosure
	EMC 4U 60 Disk drawer based disk enclosure
	High density disk enclosure holds 60 disks per drawer
	Fully accessible field serviceable components
	Conventional front to back cooling
	HA Power cabling and cooling

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	4 NODE CONFIGURATION	6 NODE CONFIGURATION	8 NODE CONFIGURATION
CONFIGURATION	4 Nodes = 4 servers + 4 disk enclosures	6 Nodes = 6 servers + 6 disk enclosures	8 Nodes = 8 servers + 8 disk enclosures
	Node server-to-disk ratio: 1:60 (One Node contains 60 disks)		
DISK TYPE	1 TB 7200	1 TB 7200	1 TB 7200
	2 TB 7200	2 TB 7200	2 TB 7200
	3 TB 7200	3 TB 7200	3 TB 7200
	4 TB 7200	4 TB 7200	4 TB 7200
SIZE	240 TB (1TB disk)	360 TB (1TB disk)	480 TB (1TB disk)
	480 TB (2TB disk)	720 TB (2TB disk)	960 TB (2TB disk)
	720 TB (3TB disk)	1,080TB (3TB disk)	1,440TB (3TB disk)
	960 TB (4TB disk)	1,440TB (4TB disk)	1,920TB (4TB disk)
EXPANSION OPTIONS	2 node / 120 drive expansion kit		
CONNECTIVITY	Network: 10 Gb Ethernet connectivity between servers and customer's network for data, GbE for management/IPMI/local traffic		
	Disk: SAS wide port (4 lanes) cable connections between servers and disk enclosures		
	Number of 10GbE ports required for non HA: 4/6/8		
	Number of 10GbE ports required for HA/Channel Bonding 8/12/16		
PROTOCOL SUPPORT	TCP/IP		
DIMENSIONS	Height: 75 in/190.8 cm	Height: 75 in/190.8 cm	Height: 75 in/190.8 cm
	Width: 24 in/60.96 cm	Width: 24 in/60.96 cm	Width: 24 in/60.96 cm
	Depth: 44 in/111.76 cm	Depth: 44 in/111.76 cm	Depth: 44 in/111.76 cm
	Weight: 1,500 lbs	Weight: 2,010 lbs	Weight: 2,520 lbs

	4 NODE CONFIGURATION	6 NODE CONFIGURATION	8 NODE CONFIGURATION
POWER SPECIFICATIONS	1, 2, 3, 4 TB 7200 RPM disks:	1, 2, 3, 4 TB 7200 RPM disks:	1, 2, 3, 4 TB 7200 RPM disks:
	Max Power: 4.8 kVA	Max Power: 7.2 kVA	Max Power: 9.6 kVA
	Max Heatload: 16,200 BTU/hr	Max Heatload: 24,300 BTU/hr	Max Heatload: 32,400 BTU/hr

Connection: 4 single Phase L6-30 (REDUNDANT POWER)

Input Voltage (VAC): 200 - 240

Circuit Breaker (A) max. per AC Power Source: 30A / PDU

Frequency (Hz): 60 (North America), 50 - 60 (International)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature (°F/°C): 41 - 90/ 5 - 32

Max. Altitude: 7,500 ft/ 2,286 m @ 90°F?/32°C?

Relative Humidity: 20 - 80% non-condensing

Raised Floor: Not Required

CONTACT US

To learn more about how EMC products, services, and solutions can help solve your business and IT challenges, contact your local representative or authorized reseller—or visit us at www.EMC.com.

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