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Refurbished CISCO SB-24S1T Datasheet

CISCO > VIDEO

Cisco Content Delivery Engine Series

Cisco Content Delivery Engines Features and Benefits

Feature	Benefit
Industry-leading MPEG2TSstream density	With up to 8000 MPEG2 standard-definition (SD) streams in a two-rack-unit (2RU) form factor, the Cisco CDE 250 Dense TV Streamer offers industry-leading video streaming density (4000 SD streams per RU). This translates to over 176,000 MPEG2 SD streams served with a single rack, optimizing space requirements and reducing total ownership costs.
Industry-leading HTTP Adaptive Bit Rate stream density	With over 30 Gbps HTTP streaming in a two-rack-unit (2RU) form factor, the Cisco CDE 250 Internet Streamer offers industry-leading video streaming for HTTP Adaptive Bit Rate formats from Apple, Microsoft, and Adobe. This translates to over 660 Gbps served with a single rack, optimizing space requirements and reducing total ownership costs.
High-performance processing	Eight CPU cores promote high performance for computationally intensive tasks such as sustained video streaming operations or per-stream targeted ad insertion.
High-density persistent MPEG2T storage	The Cisco CDE 250 combined with VDS-TV CDA offers a high-end Content Library capable of reliably storing up to 12,000 hours of MPEG2 SD content in a two-rack-unit (2RU) form factor, allowing service providers to expand their content library with a small number of library servers.
High-performance content acquisition	Cisco CDEs combined with VDS-TV CDAs are capable of simultaneously ingesting up to 200 MPEG2 SD streams, providing highly scalable content acquisition of real-time live channels for time-shift TV services.
Flash memory SSD technology	Flash memory SSD technology complements hard-disk-drive (HDD) options for certain Cisco CDE configurations. The technology is used for video cache and transaction logging to lower operating costs and lay the foundation for even better performance and scale.
Solid-State Boot Device	8 GB of compact flash memory helps ensure reliable bootup operations with ample capacity to spare.
Dual-port management access	Two dedicated management ports are available in addition to the ingest, fill, and streaming ports to simplify connectivity and manageability.
High-efficiency redundant power supply	The Cisco CDE 250 base systems support either AC or DC dual, high-efficiency power supplies for lower power consumption and a simplified sparing strategy.
Nonstop service availability	Unique failover and resiliency features help ensure that hardware failures do not bring down the network and cause service outages.
Logical server arrays	VDS-TV resource pooling and load balancing allow Cisco CDEs to be networked into logical server arrays that can provide effectively unlimited amounts of content storage (content library array), content cache (caching node array), and streaming capacity (streamer array) throughout the network.
Multifunction capabilities	Cisco CDE models are built on a few selected base systems with minor differences among the available configurations, simplifying personnel training and equipment sparing strategies.
Generation 3 technology	Cisco CDE 250 offers world-class performance through leading-edge server technology, a directly attached storage architecture, and 10-Gigabit Ethernet connectivity.
Generation 3 flexibility	Cisco CDE 250 offers a flexible Cache Storage Bundle structure, supporting storage upgrade paths and server repurposing opportunities.
Generation 3 manageability	Cisco CDE 250 supports lights out management capability through support of the Intel Intelligent Platform Management Interface (IPMI) and a dedicated Ethernet port.

Technical Specifications for Cisco CDE 250

Description	Cisco CDE 250
Rack units	2
Storage	Refer to the model-specific details in Tables 5-13

Memory	48-GB DRAM
Network interfaces	Four 10/100/1000BASE-T Four 1000/10 Gigabit Ethernet and SFP media modules SFP+ options: Short-reach (SR) fiber optic - 850 nm Long-reach (LR) fiber optic - 1310 nm CX-1 Twinax copper - 1, 3, and 5 m
Management interfaces	Two 10/100/1000BASE-T
Other interfaces	Console port; 2 USB ports
Compact flash memory	8 GB
Optical drive	Remote; USB-attached DVD (optional)
Power	100 to 240 VAC or -48 VDC redundant power supplies included in all models
Power rating	800 W peak
Power consumption	550 W nominal (unless otherwise stated in model-specific details in Tables 5-13)
Operating humidity range	8 to 90 percent non-condensing
Non-operating humidity range	5 to 95 percent non-condensing
Operating temperature	41 to 104°F (5 to 40°C)
Non-operating temperature	-40 to 158°F (-40 to 70°C)
Altitude	0 to 13,123 ft (0 to 4000 m)
Dimensions (H x W x D)	3.5 x 17.2 x 25.5 in. (8.9 x 43.7 x 64.8 cm)
Weight (fully configured)	52 lbs (23.59 kg)
Approvals: Safety	UL/CSA 60950-1
Approvals: EMC	FCC Part 15 (CFR 47) Class A EMC Directive 89/336/EEC EMC Directive 2004/108/EC EN55022: 2006 EN55024: 1998, A1:2001, A2:2003 EN61000-3-2: 2006 EN61000-3-3: 1995, A1;2001, A2:2005
NEBS standards (under test)	NEBS Level 2 (unless otherwise stated in model-specific details in Tables 5-13)
Mean Time Between Failure (MTBF)	77,000 hours (unless otherwise stated in model-specific details in Tables 5-13)

Cisco CDE 250 Model 2S5 Configuration

Description	Cisco CDE 250-2S5
Storage	1536 GB (12 x 160-GB SSD)
Power consumption	450 W nominal
Hardware Redundant Array of Independent Disks (RAID)	Yes
Internal log drives	Dual 100-GB SSD flash memory

Cisco CDE 250 Model 2S6 Configuration

Description	Cisco CDE 250-2S6
Storage	3072 GB (24 x 160-GB SSD)
Power consumption	450 W nominal
Hardware RAID	Yes
Internal log drives	Dual 100-GB SSD flash memory

Cisco CDE 250 Model 2S8 Configuration

Description	Cisco CDE 250-2S8
Storage	7200 GB (24 x 300 GB SSD)
Power consumption	450 W nominal
Hardware RAID	Yes
Internal log drives	Dual 100-GB SSD flash memory

Cisco CDE 250 Model 2S9 Configuration

Description	Cisco CDE 250-2S9
Storage	7200 GB (12 x 600 GB SSD)
Power consumption	450 W nominal
Hardware RAID	Yes
Internal log drives	Dual 100-GB SSD flash memory

Cisco CDE 250 Model 2S10 Configuration

Description	Cisco CDE 250-2S10
Storage	14,400 GB (24 x 600 GB SSD)
Power consumption	450 W nominal
Hardware RAID	Yes
Internal log drives	Dual 100-GB SSD flash memory

Cisco CDE 250 Model 2G3 Configuration

Description	Cisco CDE 250-2G3
Storage	14,400 GB (24 x 600-GB SAS)
Power consumption	600 W nominal
Hardware RAID	Yes
Internal log drives	Dual 100-GB SSD flash memory

Cisco CDE 250 Model 2M0 Configuration

Description	Cisco CDE 250-2M0
Storage	8000 GB (16 x 500-GB SATA)
Power consumption	600 W nominal
Hardware RAID	No
Internal log drives	No

Cisco CDE 250 Model 2V0 Configuration

Description	Cisco CDE 250-2V0
Storage	200 GB (1 x 200-GB SSD)
Power consumption	450 W nominal
Hardware RAID	No

Internal log drives	No

Cisco CDE 250 Model 2A4 Configuration	
Description	Cisco CDE 250-2A4
Storage	24,000 GB (24 x 1-TB SAS)
Power consumption	600 W nominal
Hardware RAID	Yes
Internal log drives	Dual 100-GB SSD flash memory

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