

Cisco Application Deployment Engine 2140

Product Overview

Cisco® Application Deployment Engine (ADE) 2140 is a standardized platform for Cisco appliance-based applications. Depending on the software packages with which Cisco ADE 2140 is deployed, its configuration can vary. However, all Cisco ADE 2140 platform products share a common base configuration:

- Dual Intel quad-core processors
- Up to 16 GB of Error Correcting Code (ECC) RAM
- Two integrated 10/100/1000T gigabit Ethernet network interface ports
- Six SAS hard drive bays, which may be populated with hot swappable, RAID configurable, server grade drives.
- Rack rail options suitable for either a 2-post telco-style rack or a 4-post server rack
- 2RU (3.4 in. / 8.6 cm height) form factor, 20.2 in / 51.2 cm depth
- PCI expansion slots

Primary Features And Benefits

Performance

Cisco ADE 2140 is a very high performance computing platform designed to support Cisco appliance-based applications.

Memory

Cisco ADE 2140 supports up to 16 GB of memory with server-grade error correction.

Variable-Speed Fan Support

Cisco ADE 2140 includes variable-speed fans to reduce operating noise. Through the use of temperature sensors within the server, the speed of the fans is adjusted to maintain the proper cooling. This reduces the noise generated by the fans by operating them only when required and at a speed based upon the cooling requirements.

Service and Customer Support

Service Plans

Cisco ADE 2140 platform applications will be supported by and stocked in Cisco global spares depots. Cisco ADE 2140 will offer service plans for the basic SMARTnet® contracts.

System Diagnostic LEDs

Cisco ADE 2140 provides a bank of system-diagnostic LEDs on the front of the system to assist Cisco support engineers in identifying the system state and any potential issues.

Product Specifications

Table 1 lists the specifications for Cisco ADE 2140.

Table 1. Cisco Application Deployment Engine 2140 Specifications.

Processor	
Processor (CPU)	X86 architecture CPU
Processors installed	2
Basic input/output system (BIOS) type	Flash memory
Memory	
Memory maximum	Up to 16 GB
Hard Disk	
Hard disk bays	6
Hard disk interface type	Serial Attached SCSI (SAS)
MTBF of hard drives	1.0 Mhours (40C)
Power-on hours	24h / 7d (70–80% duty cycle)
RAID Configuration	HW RAID through integrated Intel hardware RAID controller Battery backed write cache – configurable to 512MB Software RAID configurable (0,1,5,10,50)
Hot Swappable	Yes
Optical Storage	
DVD-ROM	1 front accessible (8X DVD read, 24X CD read)
Interfaces	
Ethernet	2 x 10/100/1000 RJ-45 interfaces (2 more)
Serial ports	1
USB 2.0 ports	3 (1 at front and 2 at back of chassis)
Expansion Options	
PCI-* non-hot plug slots 133-MHz and 64-bit slots	3 133 MHz PCI-X slots, FH and FL 2 PCI-E x4 slots (low profile)
Power	
Maximum power consumption	980W (maximum input, power supply rating) 600W (maximum output, power supply rating)
Autoranging AC input	Yes
PFC	Yes
Input low range	100 to 120 (nominal) VAC; 50–60 Hz
Input high range	200 to 240 (nominal) VAC; 50–60 Hz
Input kilovolt-amperes (kVA) approximately	Maximum configuration 0.290 kVA
Environmental	
Air temperature – Server on	50 to 95°F (10 to 35°C)
Air temperature – Server off	–40 to 158°F (–40 to 70°C)
Humidity	Server off: 95%, noncondensing at +35°C
Cooling system	3 fans installed (two are in the power supply) 2 blowers installed
Dimensions	
Form factor	2 rack-mount units
Rack mounting	2-post, 4-post rack mounting options available
Weight	35.0 lb (15.8 kg), base chassis
Height	3.4 in. (8.8 cm)
Width	17.0 in. (432 mm)

Depth	20.0 in. (508 mm) without bezel or mounting hardware	
Equipment Approvals and Safety		
Regulatory Standards Compliance: Safety and EMC		
Specification	Description	Comments
Regulatory Compliance	Products with the CE Marking indicate compliance with the 2004/108/EC and 2006/95/EC directives	
Safety	UL 60950 CAN/CSA-C22.2 No. 60950 EN 60950 IEC 60950 AS/NZS 60950	ITE ITE ITE ITE ITE
EMC - Emissions	47CFR Part 15 Class A AS/NZS CISPR22 Class A CISPR22 Class A EN55022 Class A ICES003 Class A VCCI Class A EN61000-3-2 EN61000-3-3 KN22 Class A CNS13438 Class A	ITE ITE ITE ITE ITE ITE ITE ITE ITE
EMC - Immunity	EN50082-1 EN61000-6-1 EN55024 CISPR24 KN immunity series	ITE ITE ITE ITE

Service and Support

Cisco offers a wide range of services programs to accelerate customer success. These innovative services programs are delivered through a unique combination of people, processes, tools, and partners, resulting in high levels of customer satisfaction. Cisco services help you protect your network investment, optimize network operations, and prepare the network for new applications to extend network intelligence and the power of your business. For more information about Cisco services, refer to [Cisco Technical Support Services](#) or [Cisco Advanced Services](#).

Warranty Information

Cisco offers a 90-day limited hardware warranty standard on Cisco ADE platforms. For terms and conditions of this warranty, refer to [Cisco 90-Day Limited Hardware Warranty Terms](#).



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