

# 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.

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

<b>Depth</b>	20.0 in. (508 mm) without bezel or mounting hardware	
<b>Equipment Approvals and Safety</b>		
<b>Regulatory Standards Compliance: Safety and EMC</b>		
Specification	Description	Comments
<b>Regulatory Compliance</b>	Products with the CE Marking indicate compliance with the 2004/108/EC and 2006/95/EC directives	
<b>Safety</b>	UL 60950 CAN/CSA-C22.2 No. 60950 EN 60950 IEC 60950 AS/NZS 60950	ITE ITE ITE ITE ITE
<b>EMC - Emissions</b>	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
<b>EMC - Immunity</b>	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](#).



**Americas Headquarters**  
Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706  
USA  
www.cisco.com  
Tel: 408 526-4000  
800 553-NETS (6387)  
Fax: 408 527-0883

**Asia Pacific Headquarters**  
Cisco Systems (USA) Pte. Ltd.  
168 Robinson Road  
#28-01 Capital Tower  
Singapore 068912  
www.cisco.com  
Tel: +65 6317 7777  
Fax: +65 6317 7799

**Europe Headquarters**  
Cisco Systems International BV  
Haarlerbergpark  
Haarlerbergweg 13-19  
1101 CH Amsterdam  
The Netherlands  
www-europe.cisco.com  
Tel: +31 0 800 020 0791  
Fax: +31 0 20 357 1100

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