

Speed. Scale. Security.



Contents

Why Cisco and AMD are the smart choice for healthcare	3
We help deliver outcomes that matter	3
Unmatched performance and protection for leading EHR solutions	3
5 proven advantages of Cisco + AMD for EHR	4

Why Cisco and AMD are the smart choice for healthcare

No one matches Cisco's portfolio, performance, or security for Electronic Health Record (EHR) applications. Cisco is the partner healthcare organizations trust to connect and protect data in the AI era.



We help deliver outcomes that matter

- **AI-ready data centers** designed to meet the scale and performance demands of healthcare organizations.
- **Future-proof workspaces** that are smart, connected and digital-first to provide positive patient experiences.
- **Digital resilience** that protects patients and their data.

Unmatched performance and protection for leading EHR solutions

Healthcare providers, clinics, and hospitals of all sizes use EHR applications to manage medical records. As the number of records grows, so do performance demands for these applications and their supporting back-end systems and databases.

Cisco UCS compute nodes and rack servers with AMD EPYC® CPUs and AMD Instinct™ GPUs deliver the speed and security EHR deployments require. Nexus switches with AMD Pensando™ Data Processing Units (DPUs) provide healthcare organizations with complete, EHR optimized infrastructure.

AI-ready infrastructure for healthcare

AMD CPUs, GPUs and DPUs have been tested and validated for EHR and Electronic Medical Record (EMR) platforms.

Cisco UCS + AMD EPYC CPUs

- UCS X215c M8 Compute Node
- UCS C225 M8 Rack Server
- UCS C245 M8 Rack Server

Cisco + AMD Instinct MI300 GPUs

- UCS 885A M8 Rack Server
- UCS 845 M8 Rack Server
- AI PODs

Cisco + AMD Pensando DPUs

- Cisco N9300 Series Smart Switches

All backed by Cisco Intersight

Observability across UCS infrastructure

5 proven advantages of Cisco + AMD for EHR

1. Exceptional performance

- Powers EMR platforms for thousands of users
- Up to 192 cores and 5GHz boost with 4th/5th Gen AMD EPYC CPUs
- 54M global references/sec, supporting more users/server

2. Scalable infrastructure

- Handles millions of I/O operations for growing EHR demands
- High core counts, DDR5 memory, and PCIe 5.0 support
- Configurations that scale from clinics to large hospital systems

3. Robust security

- UCS integrates security for the most deployed EMR platforms
- Embedded Secure Memory Encryption (SME) and Secure Encrypted Virtualization (SEV)
- Protects sensitive patient data, ensuring HIPAA compliance

4. Cost and energy efficiency leadership

- Supports faster access to patient records and lower TCO
- 5th Gen AMD EPYC CPU: 71% less power, 87% fewer servers needed*
- Cisco UCS optimizes energy use, reducing TCO

* See AMD endnote 9xx5TCO-001a

5. Simplified management

- Streamlines IT operations for EMR applications
- Cisco Intersight cloud-based management for single pane of glass visibility
- Epic-validated AMD EPYC CPUs and GPUs for Hyperspace and IRIS platforms

AI-ready healthcare infrastructure from Cisco and AMD

[Learn more](#)

Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV Amsterdam,
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at <https://www.cisco.com/go/offices>.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: <https://www.cisco.com/go/trademarks>. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)