

Cisco Unified Edge with Sickbay



Benefits

- Reduce total cost of ownership with a single 3RU platform combining compute, networking, and security.
- Enable near-real-time clinical insights by running the Sickbay clinical platform directly at the edge.
- Improve patient safety with continuous, high-fidelity physiologic data for analytics development and AI enablement.
- Simplify operations and lifecycle management across care locations using Cisco Intersight®.
- Scale medical AI workloads securely with Intel® Xeon® 6 SoC performance and efficiency.

Deliver near-real-time clinical intelligence at the edge

Cisco Unified Edge running Sickbay by Medical Informatics Corp. delivers a state-of-the-art clinical platform on a **single, integrated 3RU edge platform** that combines compute, networking, and security. Designed for environments like healthcare, Cisco Unified Edge replaces multiple standalone systems, reducing infrastructure complexity, space, and power requirements—lowering total cost of ownership while supporting mission-critical workloads.

Sickbay runs locally on Cisco Unified Edge, powered by **Intel Xeon 6 SoCs**, enabling

near-real-time ingestion and analysis of high-resolution physiologic data from bedside medical devices. Processing data at the edge minimizes latency, improves resiliency, and supports patient safety even when cloud connectivity is limited.

Cisco Intersight provides centralized management across distributed clinical environments, enabling consistent deployment, monitoring, updates, and lifecycle management. Together, Cisco, Sickbay, and Intel deliver a secure, scalable edge solution that transforms raw physiologic data into actionable clinical intelligence.

Sickbay Solution for Cisco Unified Edge

Turning bedside data high-frequency clinical signals into insight

Sickbay clinical platform, a vendor-neutral clinical monitoring solution, supports virtual patient monitoring, enables AI development, and scales advanced analytics across the enterprise.

- Aggregates time-series waveform data at native resolution
- Offers one unified, scalable edge platform
- Provides access to continuous monitoring and analytics

- Is ideal for regional hospital deployment
- Is suitable for academic research centers

- Brings DAQ servers to the edge
- Supports real-time waveform ingestion
- Is easy to deploy

1 compute node DAQ servers for 500 beds

For more ISV info, contact us: computeisv@cisco.com

Figure 1. Sickbay on Cisco Unified Edge for real-time clinical analytics

Learn more

Advance patient care with real-time medical intelligence at the edge.

Discover how Sickbay running on Cisco Unified Edge with Intel Xeon 6 SoCs can help healthcare organizations unlock real-time clinical insights while reducing infrastructure complexity. For more information, visit:

- [Cisco Unified Edge](#)
- [Sickbay](#)
- [Intel Xeon 6 Processors](#)

What it does

Centralize medical informatics, security, and management

Cisco Unified Edge with Sickbay enables healthcare organizations to do the following:

- Continuously capture high-frequency physiologic waveforms from diverse bedside devices, normalize data across vendors, and preserve longitudinal datasets for clinical, research, and AI use on local edge compute.
- Consolidate compute, networking, and security into a single 3RU Cisco Unified Edge system.
- Continuously collect, normalize, and analyze data from diverse bedside medical devices.
- Centrally manage distributed edge infrastructure using Cisco Intersight.
- Scale clinical analytics securely with Intel Xeon 6 SoC-based performance.

Why it's different

Unlike traditional medical IT architectures that rely on fragmented systems and centralized data centers, Cisco Unified Edge brings analytics closer to the bedside. By combining an integrated edge platform, centralized Intersight management, Sickbay's proven clinical platform, and Intel Xeon 6 processing, this solution reduces complexity, improves resilience, and accelerates time to clinical insight.