Exinda AI

One-Pager

Healthcare: network performance means more



A patient's ventricular fibrillation alarm should have triggered instantly. Instead, the telemetry data crawls through a congested network while family members stream videos in the waiting room. The 30-second delay in alert transmission could mean the difference between successful resuscitation and catastrophic loss.

This is the reality of healthcare networks today, where bandwidth competition isn't just about user experience, it's about life and death.

The healthcare network crisis

🚨 Life-critical vs. lifestyle traffic

- Ventilators, infusion pumps, and cardiac monitors compete with guest Wi-Fi and administrative applications
- OR surgical navigation systems require guaranteed throughput while patients' families consume streaming content

📊 The medical IoT explosion

- The average hospital now manages 10–15 connected devices per bed
- Patients add about 3 devices and visitors 2 more, for up to 20 devices per patient
- Each new device introduces potential bandwidth demands and network complexity

🔒 HIPAA compliance under pressure

- PHI data flows require comprehensive visibility and audit trails
- Compliance failures can result in millions in fines and reputational damage

📱 Telemedicine & remote care demands

- Rural patient consultations cannot tolerate video quality degradation
- Remote patient monitoring requires guaranteed QoS for real-time data transmission
- Telehealth platforms must maintain HIPAA compliance across distributed networks

GFI Exinda AI: your prescription for network excellence

GFI Exinda AI transforms your healthcare network from a reactive liability into a proactive life-support system, ensuring critical medical applications always receive the bandwidth they need.

Deep network visibility

Real-time medical device monitoring

- **Device-level visibility:** See second-by-second traffic for every connected device, from MRI machines to bedside monitors.
- **Audit-ready reporting:** Produce HIPAA-compliant traffic analysis with documentation ready for audits.

Intelligent bandwidth control

Life-critical application guarantees

- **AI Advisor:** Spot bottlenecks early with traffic analysis and recommended actions.
- **AI Wizard:** Turn clinical priorities into network policies by describing them in plain language.
- **Granular quality of service (QoS):** Guarantee bandwidth for critical systems (EHR, PACS, VoIP, patient monitors) while dynamically managing administrative and guest traffic.

Dynamic healthcare network allocation

Multi-zone network management

- **Department-specific bandwidth:** Allocate resources based on clinical priorities (ICU gets priority over general wards).
- **Visitor traffic management:** Provide guest internet access without compromising patient care systems.

Centralized control with GFI AppManager

- **Multi-site visibility:** Gain real-time visibility into network traffic across hospital campuses, clinics, and satellite facilities.
- **Real-time incident response:** Troubleshoot and act on alerts quickly from one centralized dashboard covering the entire healthcare network.

The bottom line: quantifiable impact on care & operations

With GFI Exinda AI, you transform your network from a potential liability into a strategic asset, delivering tangible benefits:

- **Enhanced patient safety & care quality:** Achieve 99.99% uptime for critical clinical applications, with uninterrupted patient monitoring and access to vital data.
- **Faster diagnoses & clinician productivity:** Accelerate large medical imaging transfers and reduce EHR latency, empowering clinicians with faster tools.
- **Robust HIPAA compliance & security posture:** Gain granular visibility and control over all traffic, supporting audit readiness and isolating suspicious medical IoT device behavior.
- **Optimized IT spend & bandwidth efficiency:** Maximize your existing network infrastructure, potentially deferring costly bandwidth upgrades and ensuring every megabyte serves your mission.
- **Reduced IT workload & proactive resolution:** GFI Exinda AI reduces troubleshooting time from hours to minutes, freeing your IT team to focus on strategic initiatives.

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Case study: 450-bed academic medical center

“Before GFI Exinda AI, we were playing catch-up with bandwidth with associated increased risk to patients. Now, our cardiac monitors never compete with guest Wi-Fi, our PACS images load instantly, and our telemedicine program has expanded to serve 2,000 rural patients monthly with zero quality complaints. The AI recommendations have prevented three potential network outages that could have impacted patient care.”

— Chief Medical Information Officer, University Hospital System

Compliance achievements:

- **Perfect HIPAA audit score** with comprehensive network traffic documentation
- **Zero PHI data breaches** through intelligent network segmentation and monitoring
- **Significantly reduced audit preparation time through improved compliance reporting**

Your network is your patients’ lifeline

In healthcare, your network doesn’t just carry data; it carries hope, healing, and human lives. Every millisecond of delay, every dropped connection, every bandwidth bottleneck has the potential to impact patient outcomes.

GFI Exinda AI and GFI AppManager AI ensure that when seconds matter most, your network performs flawlessly. From emergency departments to operating rooms, from rural clinics to major medical centers, we provide the intelligent network orchestration that keeps patient care flowing smoothly.

Your patients deserve a network that’s as reliable as your medical expertise. Let’s make that happen.

Ready to get started?

See how quickly GFI Exinda AI can improve your hospital network, and contact your reseller to discuss your specific requirements.

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