



GE HealthCare

CardioLab AltiX XI

Electrophysiology Recording Platform





Precision care through excellent signal fidelity

What's new in Altix XI?

- **INW in Cloud:** Our platform supports both traditional onsite or cloud-based servers to simplify infrastructure management
- **Vektor Medical vMap® Interface:** An innovative, non-invasive ECG-based mapping technology capable of identifying arrhythmias in all four chambers of the heart utilizing an advanced AI-enabled platform
- **Windows 11 + Windows Server 2025:** An actively supported OS platform that maximizes hardware efficiency
- **Cybersecurity Enhancements:** Strengthened security framework with software Pedigree and SOUP (Software of Unknown Provenance) management and improvements to support software lifecycle

Optimize workflow, productivity and throughput

Support even the most complex electrophysiology cases with GE HealthCare's Altix XI edition of CardioLab™. Featuring the innovative Prucka™ 3 digital amplifier, this electrophysiology platform enables advanced, quick evaluations with the reliability and signal quality clinicians expect.

Altix XI enhances EP signal fidelity, helping clinicians better visualize subtle physiological signal changes with greater clarity and confidence. CardioLab also offers standardized point-of-care data collection and entry to simplify and support workplace efficiency.



128 channel

30+ years and going strong

CardioLab Altix XI offers a complete package for the EP physician. Built on a legacy of success in electrophysiology, the Prucka 3 amplifier is the foundation to CardioLab's enhanced signal fidelity. The Prucka 3 digital platform is designed to reduce environmental noise, maintain high signal fidelity, providing new signal-filtering capabilities with a forward-looking platform built for the next generation of EP innovation.

Advantages of Prucka 3

- Maintains high signal fidelity with the ability to acquire consistent data across acquisition modes
- Customizable, intuitive signal filtering
- Features a digital amplifier designed to improve signal clarity through optimized signal acquisition and filtering for environmental noise reduction
- Ability to visualize the smallest signals with 1uV typical baseline noise and 4uV typical smallest resolvable signal
- Ready for future advancements with 30-bit effective signal resolution, 32KHz signal sampling rate and 3 Teraflops of signal processing power



64 channel

Future-ready. AI-enabling.

Built for the next generation of interventional care, Altix XI is advancing the future of electrophysiology by enabling seamless access to technologies designed to support clinical confidence, workflow efficiency and procedural innovation across EP labs. Altix XI interoperability platform creates the digital foundation for today's and tomorrow's interventional environment through strategic collaborations with industry innovators:

- Volta Medical's™ AF-Xplorer™ II—Identifying areas of dispersion through advanced AI-assisted mapping and streaming high-fidelity intracardiac signals for atrial fibrillation procedures
- Vektor Medical's vMap—Leveraging AI-driven, non-invasive arrhythmia mapping, utilizing 12-lead ECG-data to provide actionable insights and support procedural decision-making

Work smarter with advanced features made possible by Prucka 3



Dual real-time

Two real-time displays can be placed wherever users need them.



Cycle length

See beat-to-beat cycle length displayed on the signal.

5

Multiple review windows

Up to five review windows can be used to identify morphology visualized during procedures.



ClearMatch

Gain a new point of reference during complex procedures. A new algorithm overlays signals onto previously tagged morphology, allowing users to compare real-time signals with a visible percent match level.



Post-pacing interval

Automatically measure post-pacing interval with dual screen annotation and log updates.



Channel grouping

Organize signals based on visualization needs. Make changes across a group of signals, not one by one.



Image via Vektor Medical's vMap

An optimal visual experience

With Altix XI, clinicians have the option to add the EP Cath Command Center—an advanced visualization solution designed to elevate the user experience through enhanced efficiency, workflow optimization and procedural focus. The EP Cath Command Center features a large, curved display and customizable video layouts, enabling clinicians to view and manage procedural information to support productivity and clinical excellence.



Built on a strong foundation that seamlessly interfaces security measures within an organization's ecosystem, keeping data private.

For more information, please see our security brochure.

As cardiac care evolves, GE HealthCare is ASC ready

As cardiac care continues to evolve beyond traditional settings, interventional procedures are increasingly emerging in Ambulatory Surgery Centers (ASC). This shift represents one of the most significant transformations in cardiovascular care today—driving the need for scalable, efficient and future-ready technologies. CardioLab with Altix XI is built to support this evolution by enabling streamlined workflows, interoperability, operational efficiency and advanced clinical capabilities tailored for ASC demand. Backed by a legacy of innovation, GE HealthCare is helping ASCs confidently prepare for the next generation of cardiac procedures today and beyond.



GE HealthCare



Contact your GE HealthCare sales representative if you have any questions.

About GE HealthCare Technologies Inc.

GE HealthCare is a trusted partner and leading global healthcare solutions provider, innovating medical technology, pharmaceutical diagnostics and integrated, cloud-first AI-enabled solutions, services and data analytics. We aim to make hospitals and health systems more efficient, clinicians more effective, therapies more precise and patients healthier and happier. Serving patients and providers for more than 125 years, GE HealthCare is advancing personalized, connected and compassionate care, while simplifying the patient's journey across care pathways. Together, our Imaging, Advanced Visualization Solutions, Patient Care Solutions and Pharmaceutical Diagnostics businesses help improve patient care from screening and diagnosis to therapy and monitoring. We are a \$19.7 billion business with approximately 53,000 colleagues working to create a world where healthcare has no limits.

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