



GE HealthCare

ComboLab Altix XI

Hemodynamic and Electrophysiology
Recording Platform



Combining hemodynamics and electrophysiology capabilities into a single, efficient platform

One solution. Multiple cardiac procedures.

Due to the rise in cardiac cases, hospitals performing cardiac catheterization (Cath) procedures and electrophysiology (EP) procedures are focused on operational efficiency. ComboLab™ Altix XI from GE HealthCare combines Cath and EP capabilities into a single, efficient platform that allows one room to be a versatile space capable of handling multiple types of cardiac procedures.

ComboLab is designed with a similar user interface and workflow across different procedures. This consistency allows clinicians to easily transition from one room to another based on staffing needs, ensuring quick adaptability. ComboLab enables clinicians to maintain high standards of patient care while minimizing the need for extensive retraining.

In addition to ComboLab's flexibility and space-saving design, it offers a cost-effective upgrade path, simplified IT management and robust cybersecurity.



ComboLab advantages



Flexibility

Allows one room to handle different procedures with one platform that combines Cath and EP



Small footprint

One computer for EP and Cath



Minimized training

Lets clinicians move easily from one room to another with similar UI and workflow for EP and Cath



Simplified IT

Simplifies setup, network connections, support and service with only one platform



Managed cost

Minimizes the cost of equipment purchases with one platform that can perform two procedures

What's new in Altix XI?

- **INW in Cloud:** Our platform supports both traditional onsite or cloud-based servers to simplify infrastructure management
- **Microsoft Windows® 11 + Windows Server 2025:** A modern, supported infrastructure for improved performance and long-term sustainability
- **Medis interface:** Collaboration with Medis Medical Imaging's QFR®—an innovative, AI angiography-derived physiology (ADP) assessment to provide high-precision physiological insights
- **Vektor Medical interface:** Collaboration with Vektor Medical's vMap®—an advanced EP, AI-enabled platform with innovative, non-invasive, ECG-based mapping technology identifying arrhythmias in all four chambers of the heart
- **Cybersecurity enhancements:** Strengthened security framework with software Pedigree and SOUP (Software of Unknown Provenance) management and improvements to support software lifecycle

See everything on one screen

Altix XI provides an enhanced visual experience with its EP Cath Command Center offering. It's designed to take the clinical user experience to the next level of efficiency and clinical excellence. Offering a large display and curved monitor for excellent visualization, along with sophisticated video and layouts, EP Cath Command Center puts the images and tools where users want them to be, further enhancing productivity.



Future-ready. AI-enabled.

Built for the next generation of interventional care, Altix XI is advancing the future of interventional cardiology by enabling seamless access to technologies designed to support clinical confidence, workflow efficiency and procedural innovation across EP and Cardiac Cath 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™ and Volta AF-Xplorer™ II:** Enabling advanced, AI-assisted Atrial fibrillation mapping through streaming high-fidelity intracardiac signals, identifying areas of dispersion
- **Vektor Medical and vMap:** Leveraging AI-driven, non-invasive arrhythmia mapping, utilizing 12-lead ECG-data to provide actionable insights and support procedural decision-making
- **Medis Medical Imaging and Medis QFR:** Delivering angiography-derived physiology assessment with AI-powered hemodynamic analysis, supporting coronary evaluation without the need of invasive pressure wires

Now in the cloud

Providing the link between acquisition systems and clients while allowing different information technology systems and software applications to communicate and exchange information, INW now supports both onsite or cloud-based servers depending on your organization's needs and infrastructure.

Intelligent data flow. Connected interventional care.

Altix XI Mac-Lab™, CardioLab™ and ComboLab are designed to serve as the digital hub of the interventional lab, enabling seamless downstream data interface across the cardiovascular ecosystem. Built to support today's evolving EP and hemodynamic environments, ComboLab securely shares and interfaces with hospital systems and archives through PDF export for streamlined documentation, DICOM export to PACS to support image- and study-archived workflows and HL7 export capabilities to enable connectivity with EMR to support workflow continuity, data accessibility and efficient information exchange.

Designed for today's IT and cybersecurity environments

ComboLab is engineered with a comprehensive approach to IT interface and cybersecurity, helping support the evolving needs of modern healthcare organizations. Built to operate within broader IT ecosystems, ComboLab—with updated cybersecurity patching—focuses on keeping networks protected, private and operationally resilient.

Support electrophysiology cases with CardioLab

ComboLab includes CardioLab, an advanced electrophysiology system. ComboLab features the innovative Prucka™ 3 digital amplifier, available in 64 channel and 128 channel configurations. As the foundation of CardioLab's enhanced signal-fidelity signals, Prucka 3 significantly reduces noise while preserving the morphology. With advanced signal filtering and a forward-looking digital platform, Prucka 3 supports the next generation of EP innovation.



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

Multiple Review Windows

Identify interesting morphology visualized during procedures with up to five Review Windows

ClearMatch

Gain a new point of reference during complex procedures with a new algorithm that overlays real-time 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 both screen annotation and log updates

Channel grouping

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

Elevate Cath lab efficiency with Mac-Lab

Mac-Lab continues to advance hemodynamic recording with Altix XI. Built around an intuitive user interface, Mac-Lab continues to help clinicians streamline workflow and access measurements and clinical information needed to support efficient delivery during interventional procedures.

An enhanced user experience

In both Cardiac Cath and the growing structural heart space, Mac-Lab provides customized documentation options and a known workflow, helping to simplify these complex procedures.

Medis QFR interface

Medis QFR is a novel non-invasive software solution designed to assess angiography-derived physiology in patients with epicardial artery disease.

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/ASCs. This shift represents one of the most significant transformations in cardiovascular care today—driving the need for scalable, efficient and future-ready technologies. ComboLab 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.



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.



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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The Volta AF-Xplorer II is an AI-powered cardiac mapping device designed to assist physicians during atrial fibrillation procedures. It is intended to be used only by trained electrophysiologists as a supplementary software tool to support decision-making, not as a replacement for clinical judgment. Volta Medical is a trademark of SUBSTRATE HD, SAS. Microsoft Windows is a registered trademarks of Microsoft Corporation in the United States and/or other countries. QFR is a registered trademark of QFR Solutions bv. vMap is a registered trademark of Vektor Medical. All third-party trademarks remain the property of their respective holders.

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