



# Mac-Lab™ | CardioLab™ AltiX BT22

Cybersecurity



Power Up Workflows.  
Lock Down Data.

[gehealthcare.com](http://gehealthcare.com)

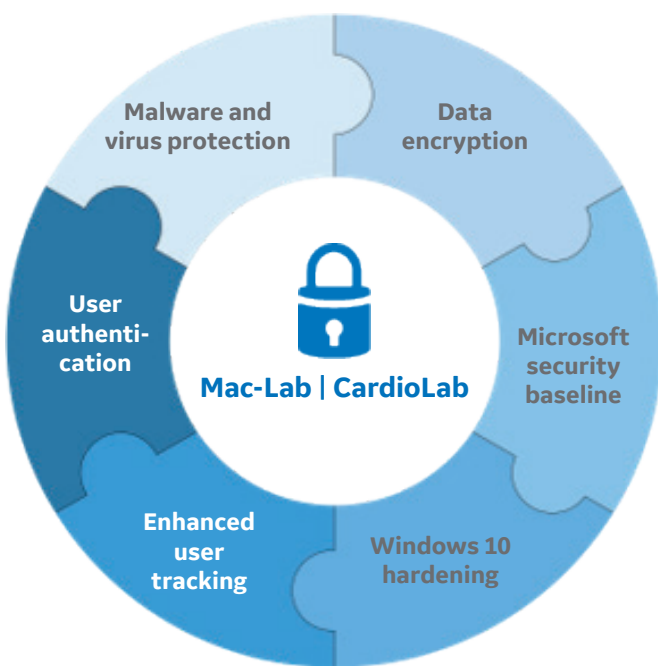
# Secure.

Secure means secure. Period. Data privacy and cyber security are non-negotiable, no matter how many users, points of data entry, or care pathways.

Designed for **maximum protection** through an in-depth strategy that incorporates multiple independent security controls deployed through connected pieces all working together.

- Keeps the system functional in the face of cyber threats
- Protects patient data on the system from unauthorized access
- Implement HIPPA and security policies while still managing your daily workflow

Provides the exceptional tools that you need to seamlessly integrate into your ecosystem while keeping your network protected and your data private.



## Malware and virus protection

Introducing out of the box support of Carbon Black and CrowdStrike™ as well as support of other popular commercial solutions

## Data encryption

Keep your private data safe with military grade encryption of your hard drive, data files, and network traffic

## User Authentication

Provides authenticated user tracking managed by your standard network policy. A log-on and password on the domain is required to access the system at the Windows level and application level

## Microsoft security baseline

Built on a foundation utilizing Microsoft's security baselines, an industry standard configuration designed by experts to maximize security while maintaining compatibility

## Enhanced user tracking

User tracking attributes from changes made during the study and shown in the event log are linked to the person who made the change and their log-on credentials

## Windows 10 hardening

A secure platform that is easily integrated into your ecosystem and provides enhanced code protection, a robust network firewall, and regular security releases

# Turn-Key Software Versions

Altix BT22 introduces support by CrowdStrike & CarbonBlack AI/Cloud™ based antivirus solutions

## CrowdStrike

- Validated sensor version 6.12.12601
- GE supports moderate prevention and aggressive detection with pre-defined policies

There are recommended CrowdStrike Falcon Prevention Policy settings for Mac-Lab/CardioLab systems. Exclusions need to be applied to GE specific directories to prevent adverse impact during a study.

## CarbonBlack

- Validated sensor version 3.7.0.1411
- GE supports prevention mode with pre-defined policies

There are recommended CarbonBlack Prevention Policy settings for Mac-Lab/CardioLab systems. Exclusions need to be applied to GE specific directories to prevent adverse impact during a study.



Please reference the GE Security Website for additional information

[www.gehealthcare.co.uk/products/cybersecurity](http://www.gehealthcare.co.uk/products/cybersecurity)

## Additionally, Altix BT22 supports your installation of the following, traditional solutions:

- Symantec® End point Protection 14.3 RU2
- McAfee® ePolicy Orchestrator 5.10 Update 10 (with ENS 10.7.0)
- Trend Micro™ Apex One 2019
- Windows Defender®

# Flexible Antivirus / Antimalware Solutions

Mac-Lab | CardioLab Altix BT22 allows for a user-driven checkout procedure and provides a more flexible approach to antivirus/antimalware installation.

***Flexible antivirus protection may support your installation of the virus protection of your preference beyond the qualified list***



Please see the Flexible AV frequently asked questions for additional information.

# Increased Security – Data Encryption in motion and at rest

**Keeping patient data secure**, Mac-Lab | CardioLab AltiX BT22 provides data encryption both in motion and at rest.

## Data Encryption In Motion

Any data in motion across the network can be encrypted (DICOM, HL7, SQL and Study Data)

- DICOM and HL7 data encryption is configurable

## Data Encryption At Rest

Any data that remains on the hard disk can be encrypted

- Acquisition hard drive is also separately encrypted
- Applies to study data on both the acquisition and INW server



# Increased Security – User Log in and User Tracking

**Keeping security one of our main priorities**, Mac-Lab | CardioLab AltiX BT22 provides new authenticated user tracking on all systems.

## Authenticated User Tracking

**Audit Log Configuration**

Events available for audit:

Events selected for audit:

- Application
- Configuration
- Data Export
- Data Extraction
- DICOM
- Network
- Report
- Security
- Study

**User Tracking**

None

Non-authenticated

**Authenticated**

OS Full Name

with User Selection

OS User ID

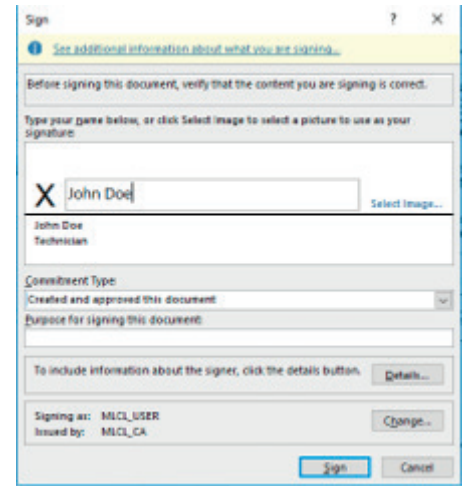
with User Selection

- The user name no longer comes from the staff list
- The user defaults to the current OS user
- Provides options for either User ID (hospital login) or Full Name (real name) based on preference
- Users log into application at Windows level, custom shell has been removed

# Increased Security – E-Signature

**Simplifies documentation and reporting** by eliminating the need for manual signatures

- Helps expedite documentation and reporting
- Allows multiple users the ability to electronically sign the report
- The system log-on can be used to lock down the procedure report
- Provides export of the e-signed report to EMR, CVIT and other hospital information systems
- Utilizes Microsoft's built-in signature



Mac-Lab | CardioLab Altix BT22 is built on the foundation of **Microsoft's Windows 10 Long-Term Servicing Channel (LTSC) Secure Baseline.**





## Increased Data Privacy

**Keeping patient data secure, Mac-Lab | CardioLab Altix BT22 provides data encryption both in motion and at rest.**

### Data Encryption In Motion

Transmit, retrieve, and process medical imaging, SQL, HL7 and Study Data with heightened privacy.

### Data Encryption At Rest

Securely store, print and display any medical data on the hard disk, acquisition drive and the INW server.

## E-Signature

**Simplifies documentation and reporting**  
by eliminating the need for manual signatures



## Antivirus / Antimalware Solutions

Mac-Lab | CardioLab Altix BT22 provides a more flexible approach to antivirus/antimalware installation.

**A true differentiator that will give you the flexibility to chose the software best for your facility**

User Tracking

None

Non-authenticated

Authenticated

OS Full Name

with User Selection

OS User ID

with User Selection

## User Log in and User Tracking

Keeping security one of our main priorities, Mac-Lab | CardioLab Altix BT22 provides new authenticated user tracking on all systems.

**Users log in at the windows level, customized with established hospital logins**



## About GE Healthcare

GE Healthcare provides transformational medical technologies and services to meet the demand for increased access, enhanced quality and more affordable healthcare around the world.

GE works on things that matter - great people and technologies taking on tough challenges. From medical imaging, software & IT, patient monitoring and diagnostics to drug discovery, biopharmaceutical manufacturing technologies and performance improvement solutions, GE Healthcare helps medical professionals deliver great healthcare to their patients.

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