



# Mac-Lab™ | CardioLab™ AltiX Edition

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.

Heighten data privacy and security across the IT environment through **data encryption** and a more **secure log in** process while introducing a more flexible approach to **addressing security needs**.

**Upgraded login authentication** heightens and simplifies data security, the system defines administrative rights at the windows level for optimal ease and outcomes.

The **updated antivirus/antimalware** security provides you control of your own data and system security, with the flexibility to work with your preferred software.

This advanced model can **encrypt data**, whether at rest on your system or in motion across networks, protecting clinical data privacy for cybersecurity across network interfaces.



Mac-Lab | CardioLab Altix is built on the foundation of **Microsoft's Windows 10 Secure Baseline**.



# Turn-Key Software Versions

## Current Versions Supported

- Anti-virus: McAfee VirusScan Enterprise 8.8 Patch 12, Symantec EndPoint Protection 14.0.1, McAfee ePolicy Orchestrator 5.9 with McAfee VirusScan Enterprise 8.8 Patch 12, Trend Micro OfficeScan XG SP1, Windows Defender
- Microsoft Internet Explorer 11
- Microsoft SQL Server 2017
- Windows Server 2016 (Required OS to install INW Server)
- Windows 10 64-bit LTSB (Acquisition and Clients)
- Microsoft Office 2016 (Acquisition, Clients, Software Only Client) / Office 365 (Software Only Client)
- Windows 7 64-bit (Software Only Client)

## Update Management

- Monthly Security patches analysis
- Microsoft rollups and other applicable patch qualification three times per year
- Critical vulnerabilities qualified sooner (e.g. Wannacry/Petya)



**Please reference the GE Security Website for additional information**

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

# Flexible Antivirus / Antimalware Solutions

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

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

\*All benefits may not be available at installation



### Antivirus/Antimalware installation guidance on MLCL security website

- Use the software of your choice within the guidance rules of checkout procedure
- Either antivirus/antimalware or Whitelisting acceptable if configured to guidance
- Checkout procedure performed by service to ensure MLCL functionality stays intact

### Turn-key Antivirus/Antimalware Solutions Instructions on MLCL Security Web

- Detailed install/config instructions provided for most popular AV (same AV as previous versions)
- Microsoft Device Guard whitelisting detailed config instructions provided for MLCL Acquisition systems

# Increased Security – Data Encryption in motion and at rest

**Keeping patient data secure**, Mac-Lab | CardioLab Altix 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 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 Data Privacy

**Keeping patient data secure, Mac-Lab | CardioLab Altix 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.



## Antivirus / Antimalware Solutions

Mac-Lab | CardioLab Altix 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 provides new authenticated user tracking on all systems.

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



## About GE Healthcare

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