Mac-Lab™ | CardioLab™
AltiX Edition

Cybersecurity

Power Up Workflows.
Lock Down Data.

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.

Microsoft

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

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)
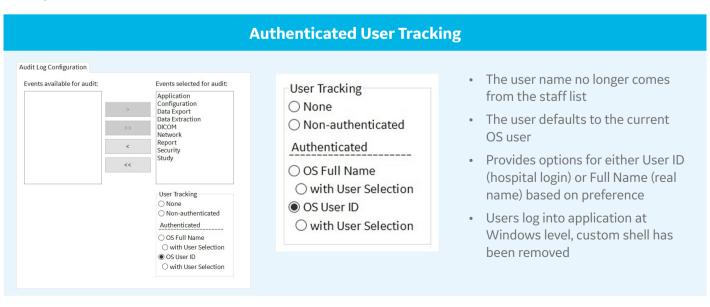
• DICOM and HL7 data encryption is configurable

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

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

ANANDIC MEDICAL SYSTEMS AG

Stadtweg 24, 8245 Feuerthalen

www.anandic.com
info@anandic.com
Tel. 0848 800 900

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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