



MAC™ 5

Streamline your ECG workflow

JB07496US



Streamline your ECG workflow

MAC™ 5 | Streamline your ECG workflow

Introducing the MAC 5 resting ECG system



Simple



Designed so you can focus on patient care

Precise



Helps make critical diagnoses with speed and confidence

Secure

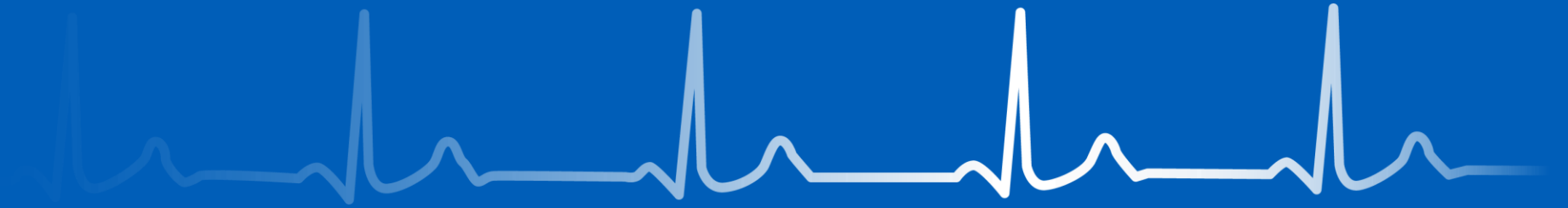


Designed for patient privacy and data protection





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Simple



Simple
Quality and Speed

“I manage a cardiac service line team, with at times, high turn over. Performing ECGs at the quality level our physicians expect is a challenge.”



Simple
Simple

Up to 31% fewer steps¹

¹In an observational study comparing the usability of various ECG systems, when participants used GE's new resting ECG interface, they were able to complete the same set of ECG tasks in 31% less steps.



85% of users agree that they need minimal training²

² Double-blind study by an independent third party research firm, Healthcare Research & Analytics (HRA) at Smith Research Facility, Chicago.

Simple
Accommodate your workflow
with ease.



MAC 5 intuitive user interface helps ensure your ECG's are efficiently acquired with high quality.



MINIMIZE MIX-UPS

Smart Lead technology automatically detects a newly connected patient.



AVOID VARIABILITY

Enhanced Hookup Advisor™ guides even the newest user to a clean, high-quality waveform.



REDUCE REPEATS

Optional Auto-ECG algorithm immediately captures and displays the first clean, high-quality test.

Simple means it is easy to get high quality ECGs on every patient



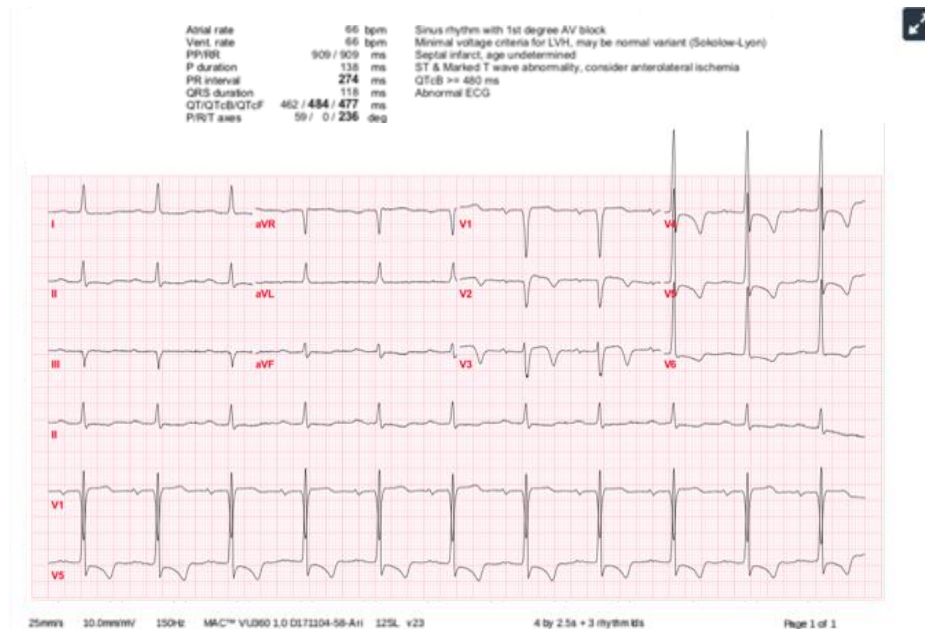
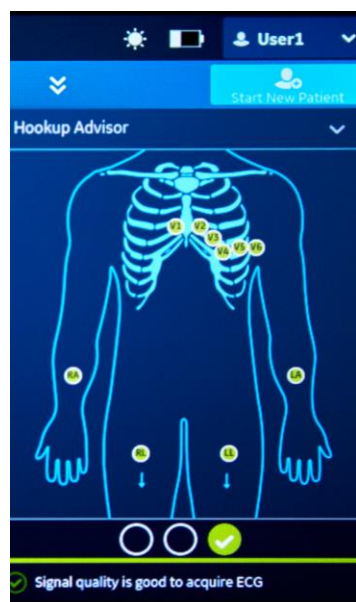
MAC 5 intuitive user interface helps you reduce variability in ECG quality by:

Identifying signal quality

Acquiring the highest quality ECG automatically

Displaying it in high resolution

Ready for transmission or printing



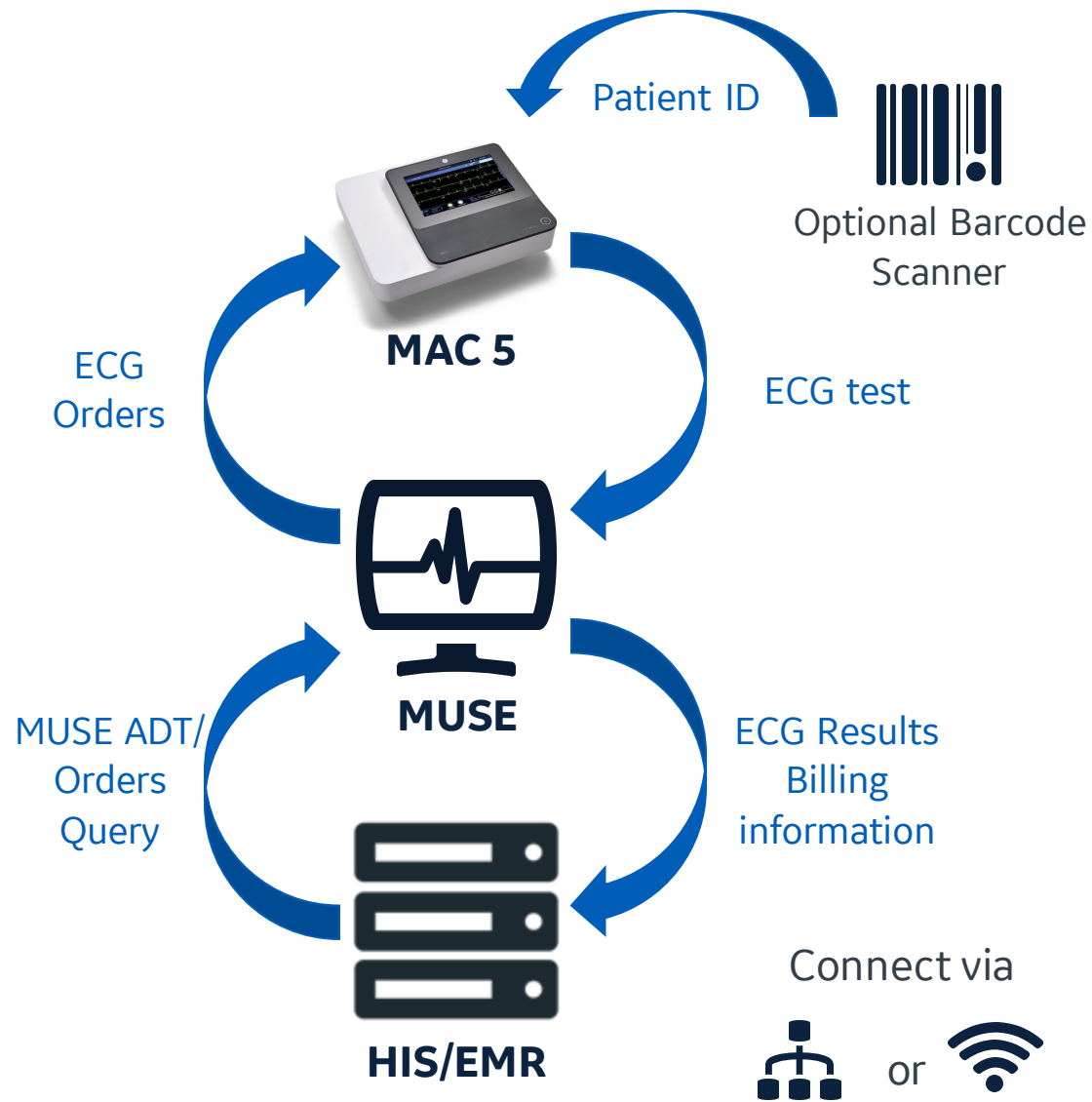
Simple

Send the results anywhere online, quickly and securely.

“We need an ECG system that easily connects to our existing IT systems so that we can easily acquire, store, and communicate the ECG results.”



Simple
Integrates smoothly

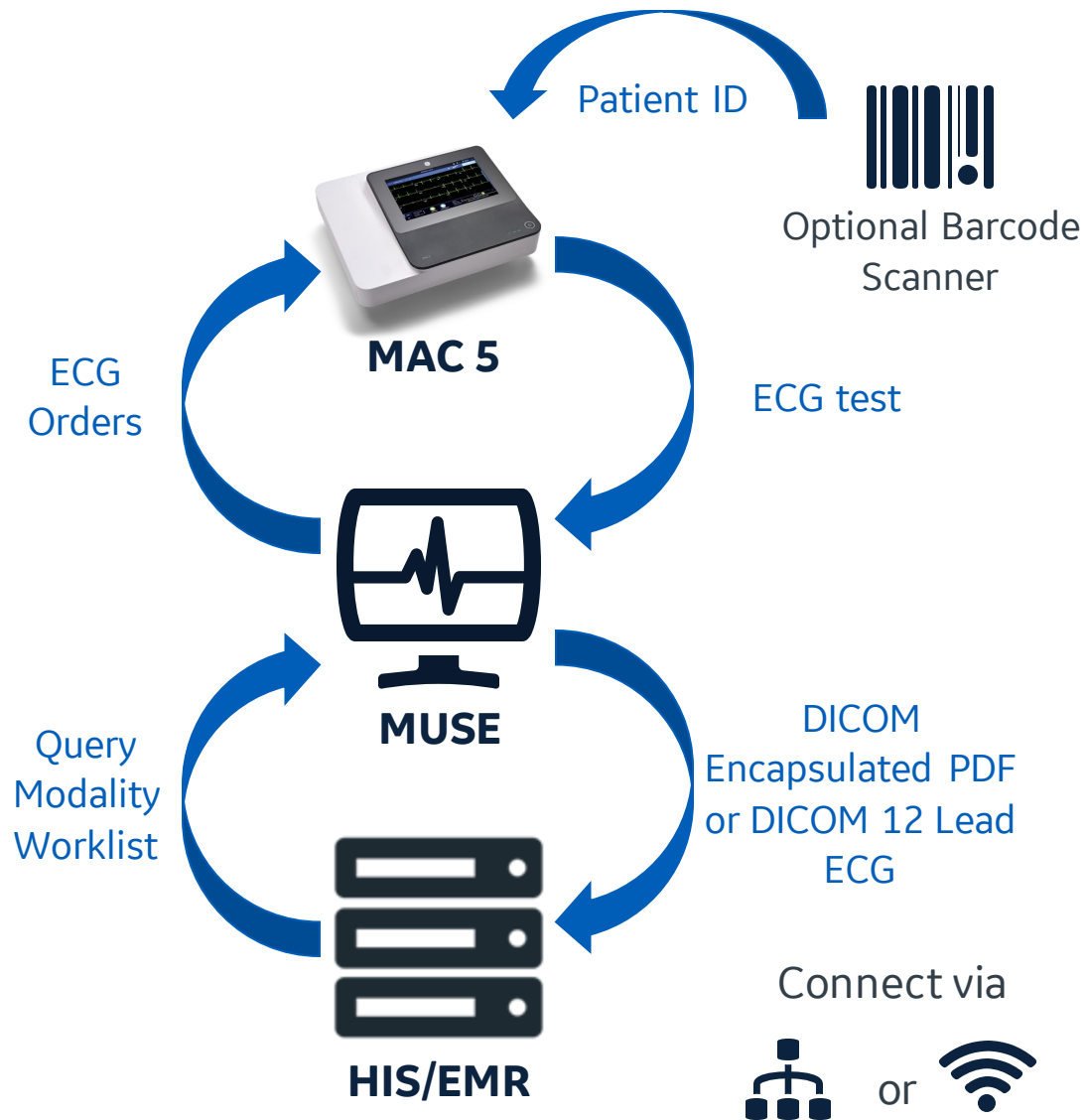


MUSE HL7 communication



- Bi-directional communication with HIS/EMR systems
- MUSE™ queries the HIS/EMR for ECG orders and patient demographics, then passes the info to the MAC 5
- Supports multiple data formats
- Reliable communication with DCP protocol

Simple
Integrates smoothly

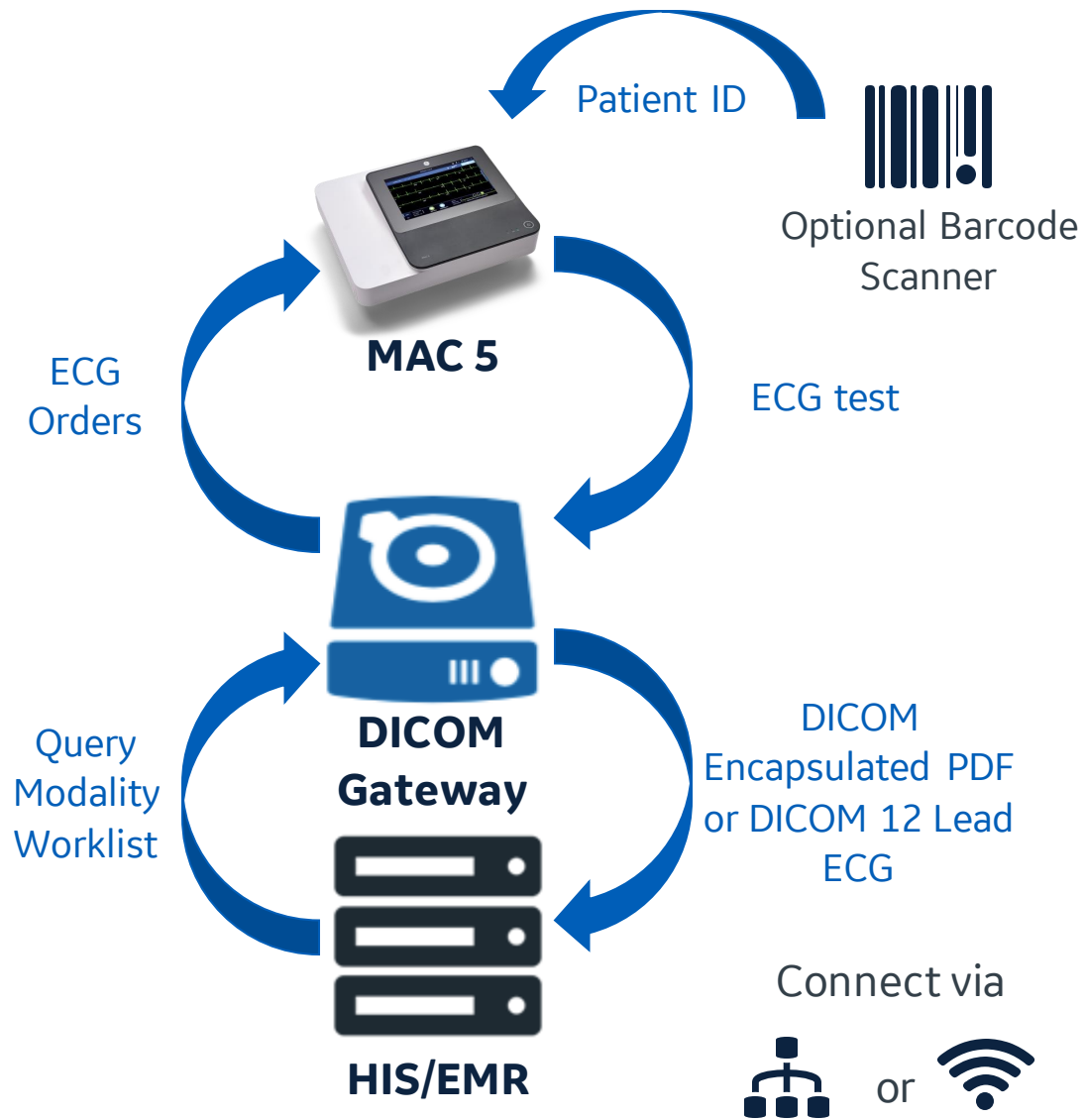


MUSE DICOM communication



- Bi-directional communication with RIS/PACS system
- Query DICOM modality worklist (MWL)
- Supports multiple data formats
- Reliable communication with DCP protocol

Simple
Integrates smoothly

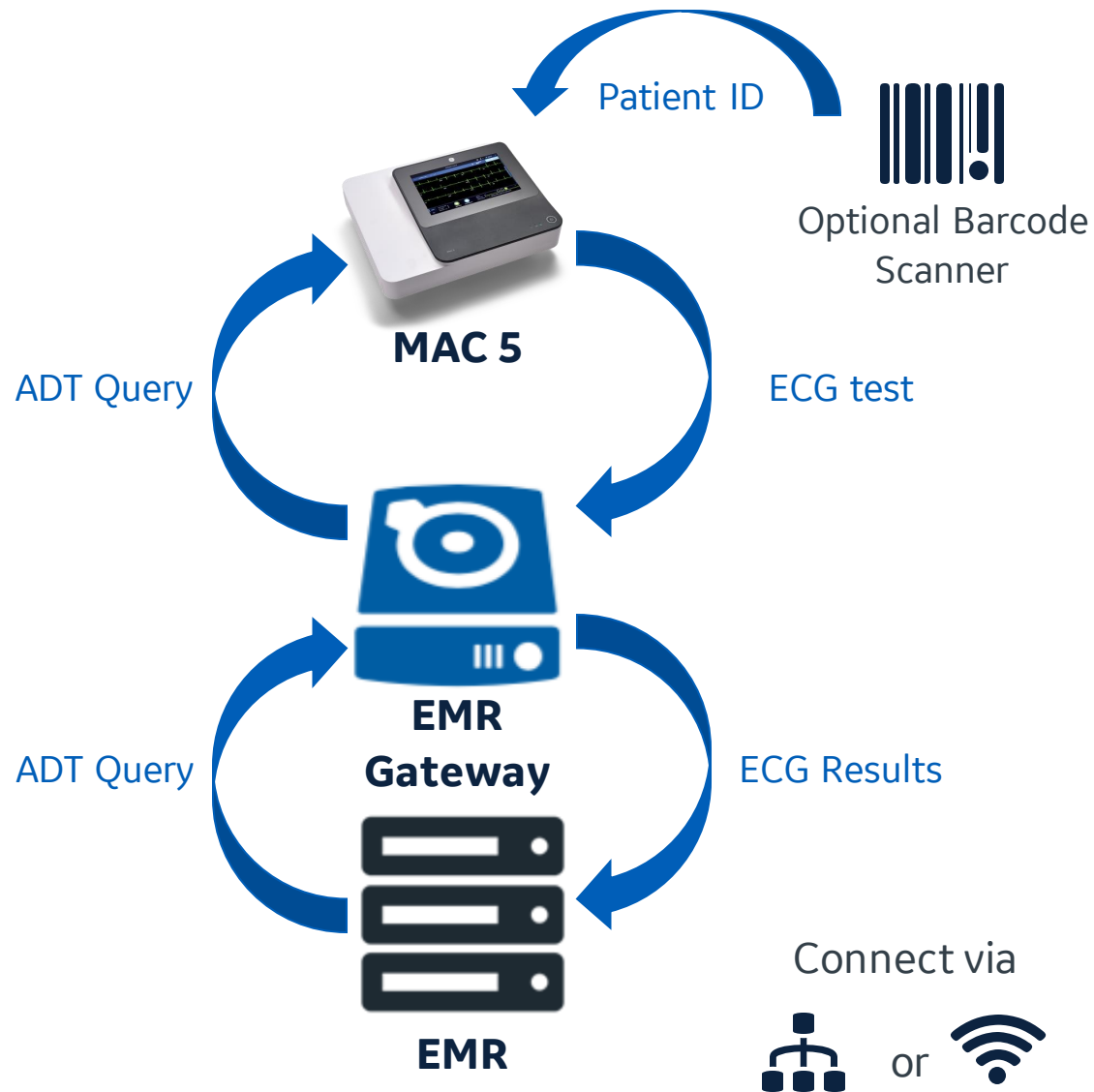


DICOM Gateway Pro communication



- Bi-directional communication with RIS/PACS system
- Query DICOM modality worklist (MWL)
- Supports multiple data formats
- Reliable communication with DCP protocol

Simple
Integrates smoothly



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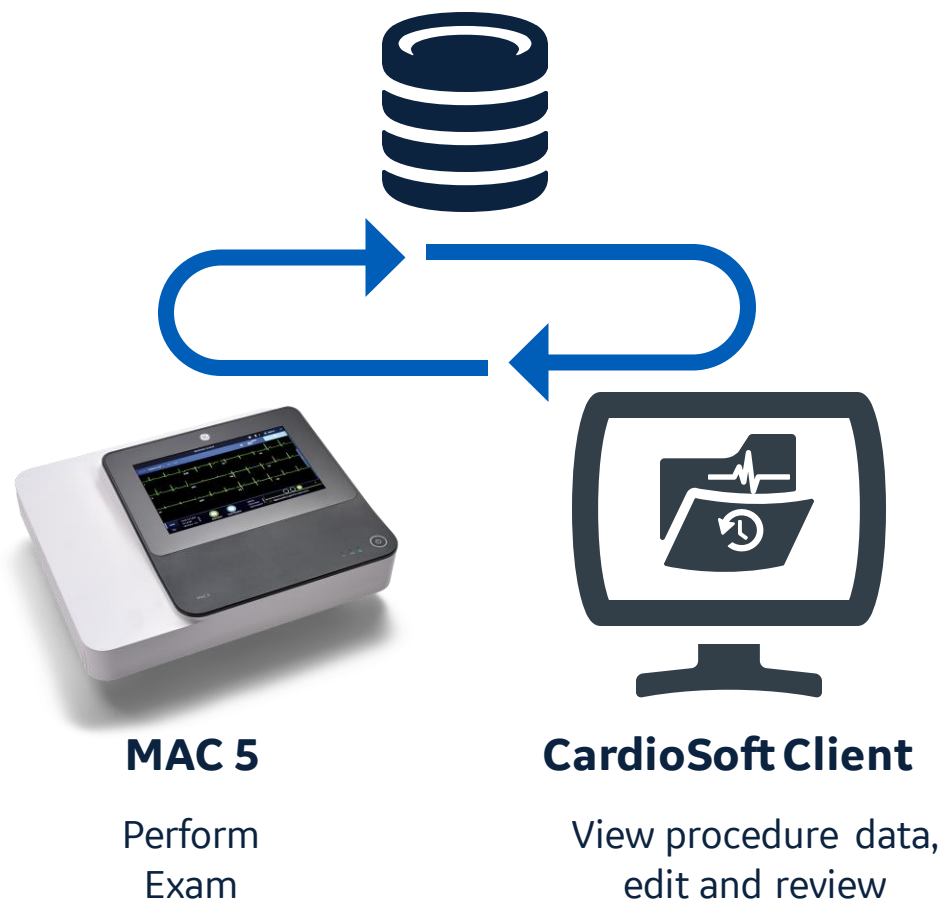
EMR Gateway Pro communication



Seamlessly connect your MAC 5 to your existing EMR environment with industry standard technology.

Bi-directional communication delivers patient demographics to MAC 5 and ECG tests back to your EMR.

Simple
Integrates smoothly



CardioSoft communication



Connect your MAC 5 system to your network (LAN), and you can store patient data and test results to a central database

The CardioSoft™ client software on your PC creates a remote workstation for viewing, editing and printing ECG data

Simple
Share ECG tests easily



PDF and XML Export



Send data to shared folder or SFTP destination of your choice easily by exporting via PDF or XML

The PDF file name can be automatically generated based on patient demographic data helping to ensure an accurate match to patient EMR or HIS files

Simple

Easy to move and clean



- Arms to hold the acquisition cable and optional bar code reader
- Smooth, easy to clean, detergent-friendly surfaces
- Expandable storage, 1 bin standard, optional 2nd bin available
- Light for easy maneuverability
- Compact to fit in crowded spaces

*Comparison available upon request

Simple
Flexible accessory options



Starter kits with everything you need to complete your 1st ECG

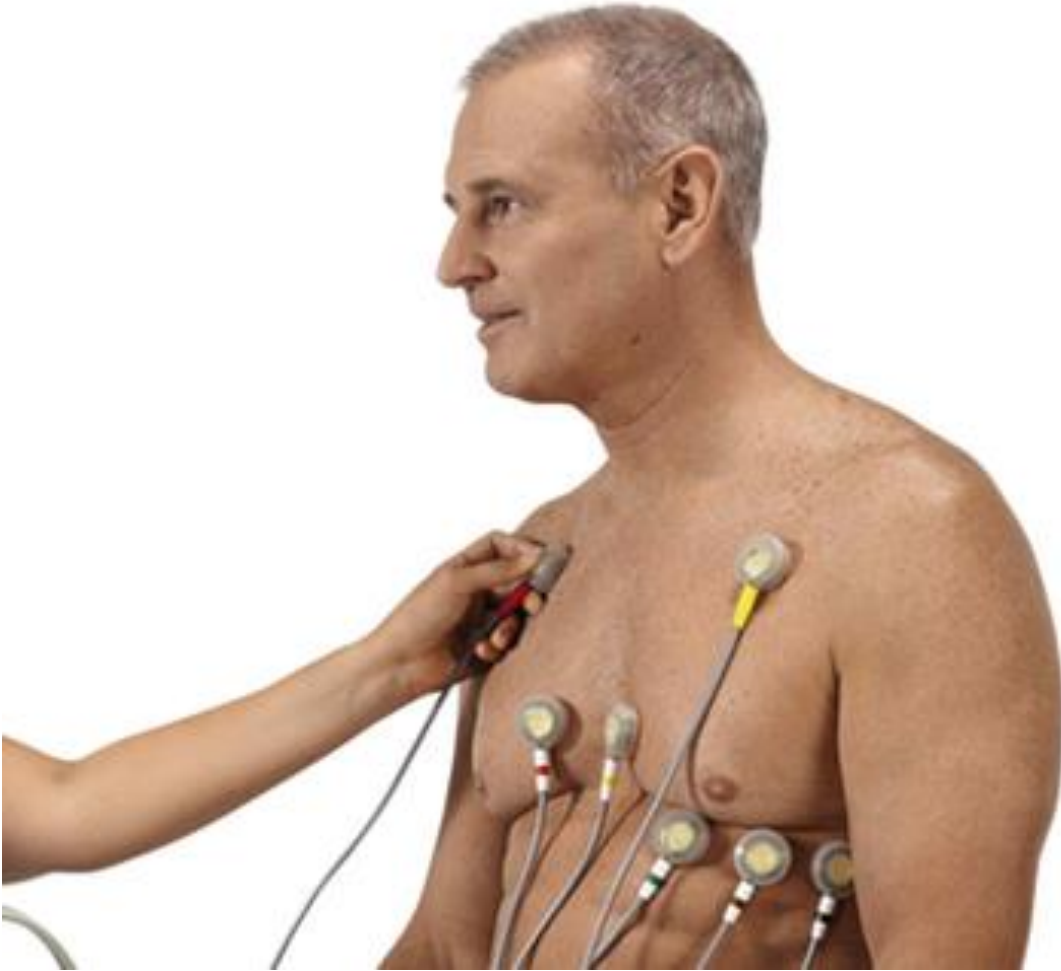


Flexible accessory combinations available to suit your care area need



Multilink cable option facilitates replacement of individual components

Simple
Vacuum ECG Electrodes



KISS

Vacuum Electrode Application System

Provides a consistent connection to patients

Fast and easy electrode applications in the cardiology department

Operates with a slight vacuum regulated by the electronically controlled suction pump via high sensitive sensors

*Not available in all countries

Service

Designed to minimize downtime

“My job is to select an ECG system that is clinically robust so we can standardize it across all of our facilities. These systems also need to be ready all the time, meaning they need to be reliable yet designed with service in mind.



Service

Designed for easy serviceability



Simple design allows easy access to critical parts



View status and diagnostics of device components and parts for easy assessment



Durable connectors and cables reduce breakage and maintenance

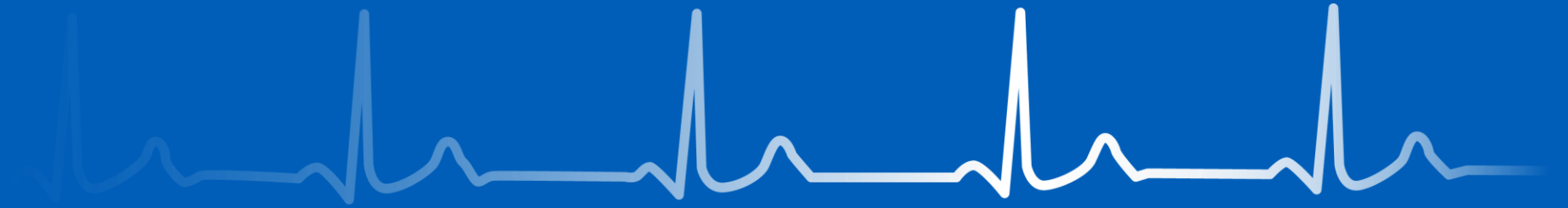


Service offerings and training tailored to your needs





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Precise



Precise

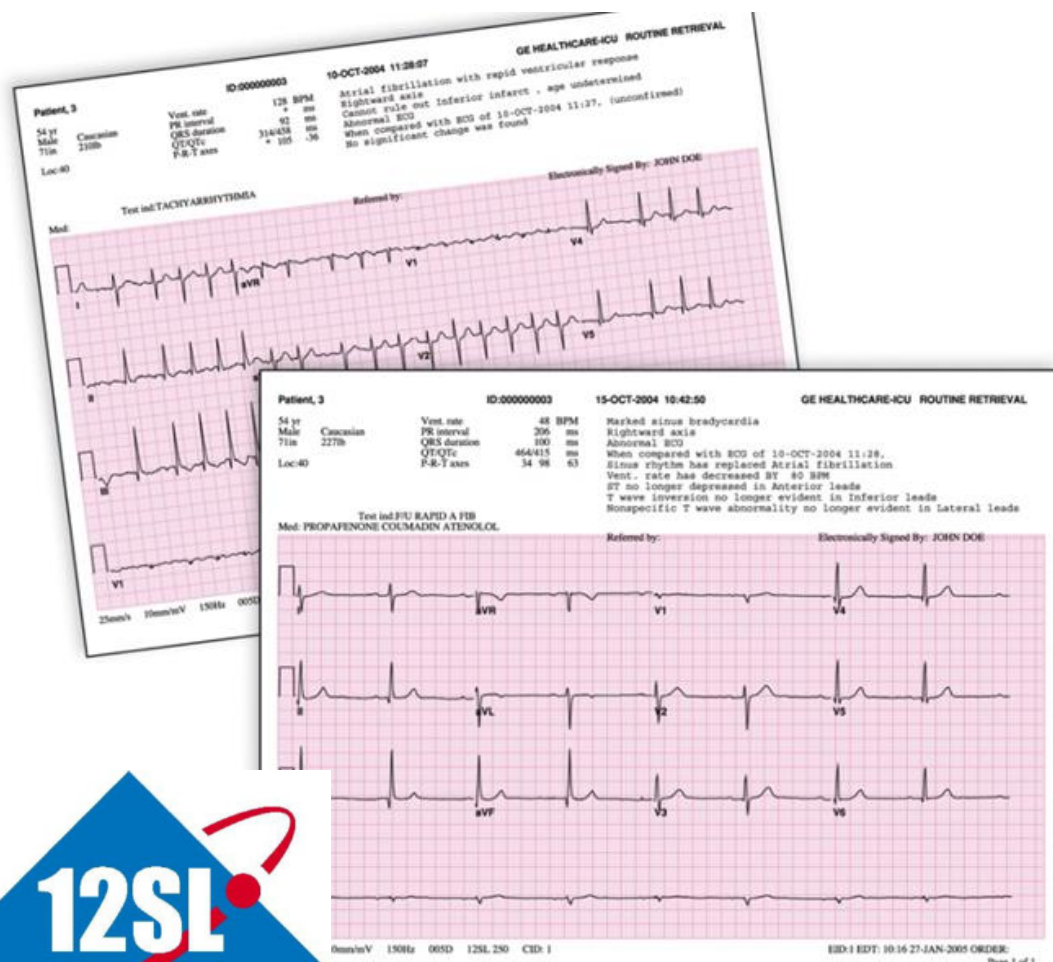
Support confident decisions

“I must have accurate, detailed information to deliver critical diagnoses with speed and confidence.”

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Precise
Marquette™ 12SL™



- Over 30 years of innovation and development
- Over 200 scientific references¹
- Validated against clinically-correlated databases for accuracy¹
- ACS option
 - calculates probability of the presence of Acute Cardiac Ischemia
- Gender-specific interpretations
 - shown to provide a 25% relative improvement in detection of Acute Inferior MI in women under 60 years of age²

¹for more details please refer to the GE 12SL statement of validation and accuracy

²Xue, J. et al. "A New Method to Incorporate Age and Gender into the Criteria for the Detection of Acute Inferior Myocardial Infarction." J Electrocardiol. 34(4) (Part 2) (Oct 2001):229-234

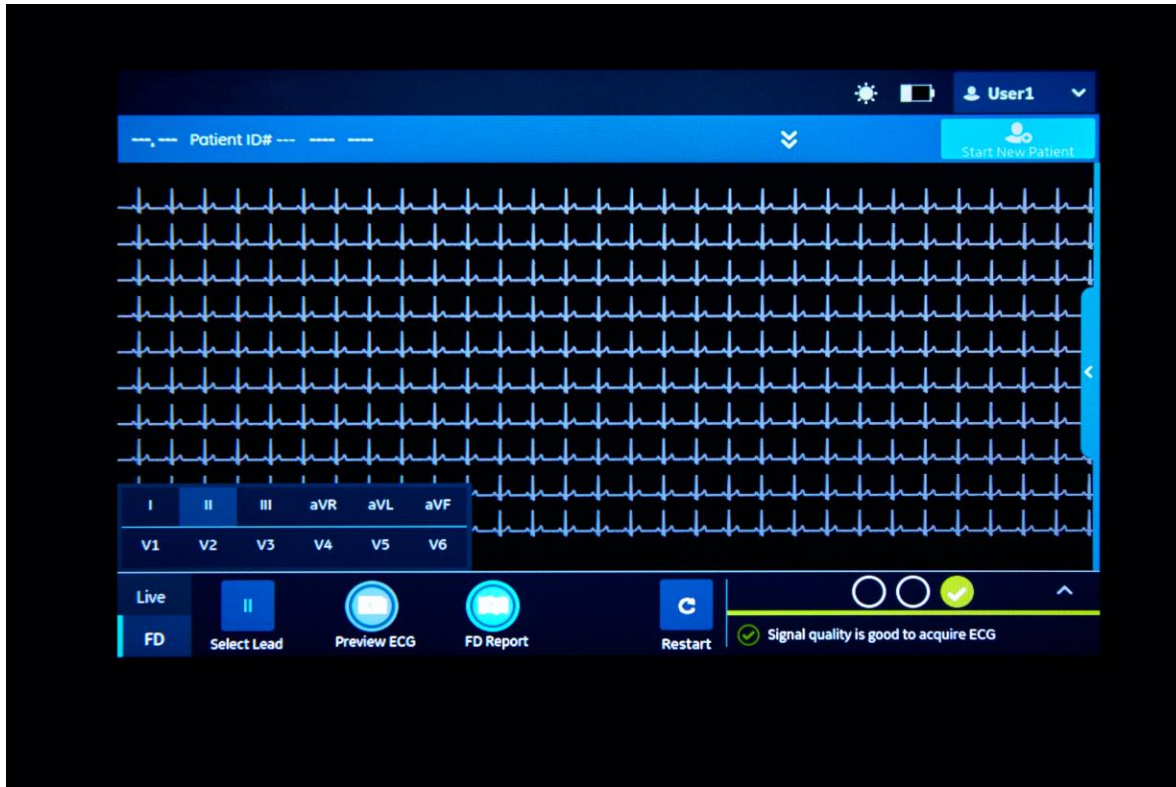
Precise

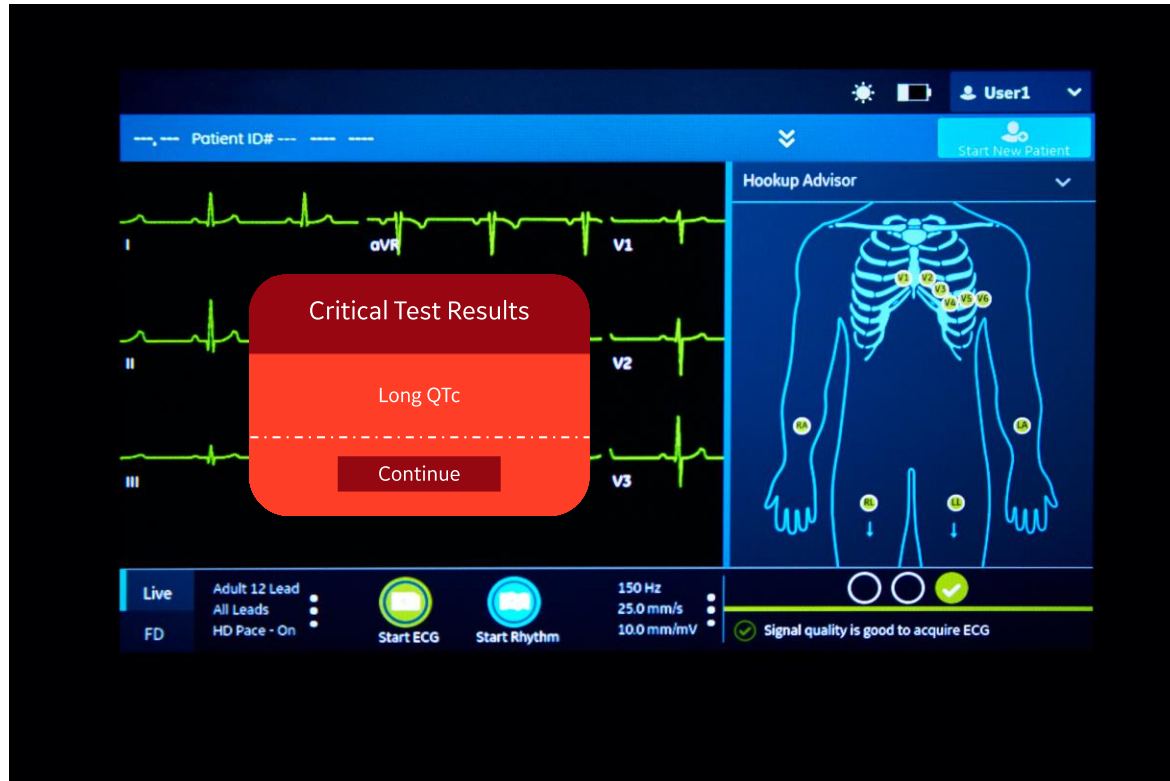
Advanced capabilities



Full Disclosure

- The retrospective capabilities of Full Disclosure acquisition aids in capturing short cardiac events such as SVT and other episodes of arrhythmia





Critical Values

- Critical values are highlighted on ECG reports helping clinicians quickly respond to urgent patient needs
- Event detections & Customizable thresholds for multiple ECG measurements, including:
 - STEMI detection
 - Ischemia detection
 - AV Block detection
 - Arrhythmia detection
 - Adult & Pediatric HR thresholds
 - QTc length

Precise

Provide the best possible decision support.

The majority of all interpretation errors are for rhythm. In paced patients, pacing is **undetected in 10%** of ECGs.⁵

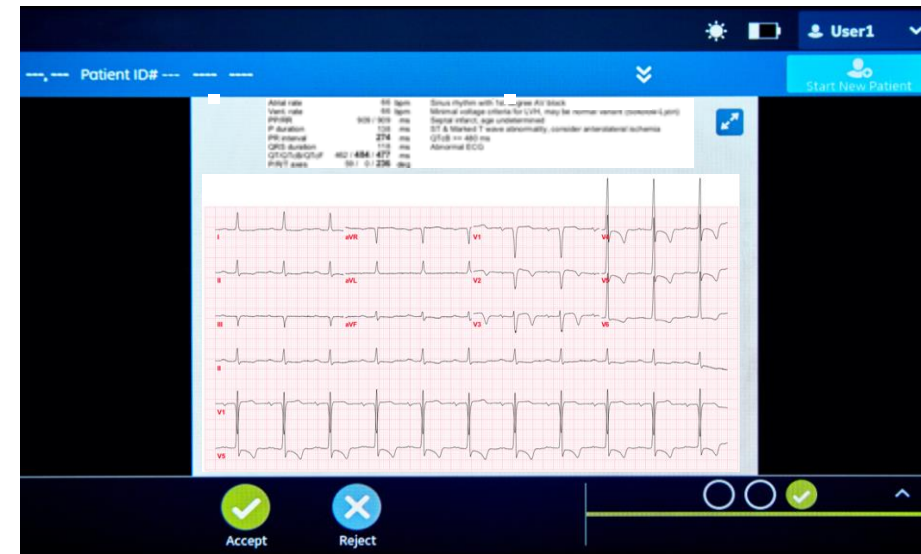
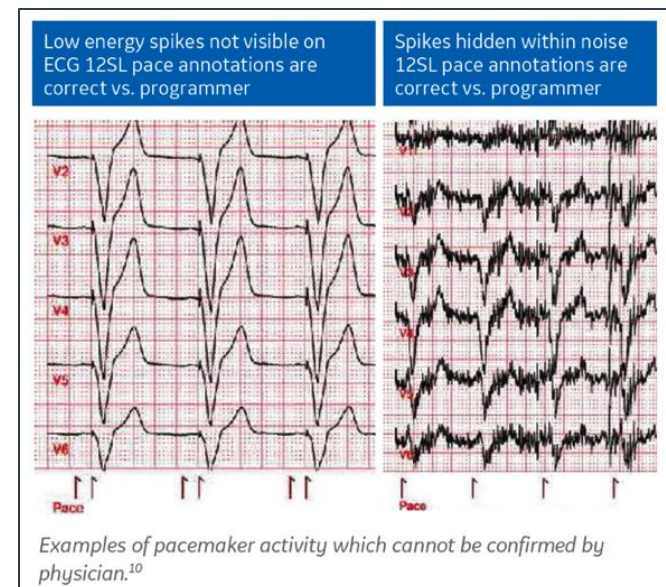


High-definition pacemaker detection identifies artificial pacing not visible on ECG waveform.





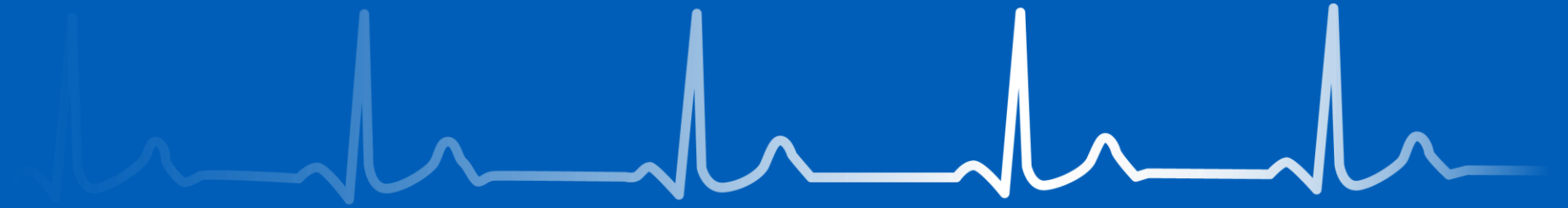
Improved **Left ventricular hypertrophy (LVH)** recognition using conventional LVH criteria and identifying which was positive.^{6, 7}



7 - Marquette 12SL ECG Analysis Program Physician's Guide, 2056246-002 Revision B, 2015, GE Healthcare: Milwaukee, WI.



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Secure



Secure

Seamlessly connected. Continuously protected.

“Connected devices make me and my teams more efficient, but it can also increase the risk of patient privacy if there’s a breach. I need devices that I know are always secure and supported.”



Secure

Over 2,000 data breaches
in the past 10 years*

Over 176 million patient
records exposed*

Are your devices and data protected?



MAC 5 helps you drive
facility security:



Minimizing the
attack surface



Only talking to
recognizable things



Always updating



A smarter USB
connection

* - <https://www.hipaajournal.com/healthcare-data-breach-statistics/>

Secure
\$97.4M in fines have been issued
since 2016.*

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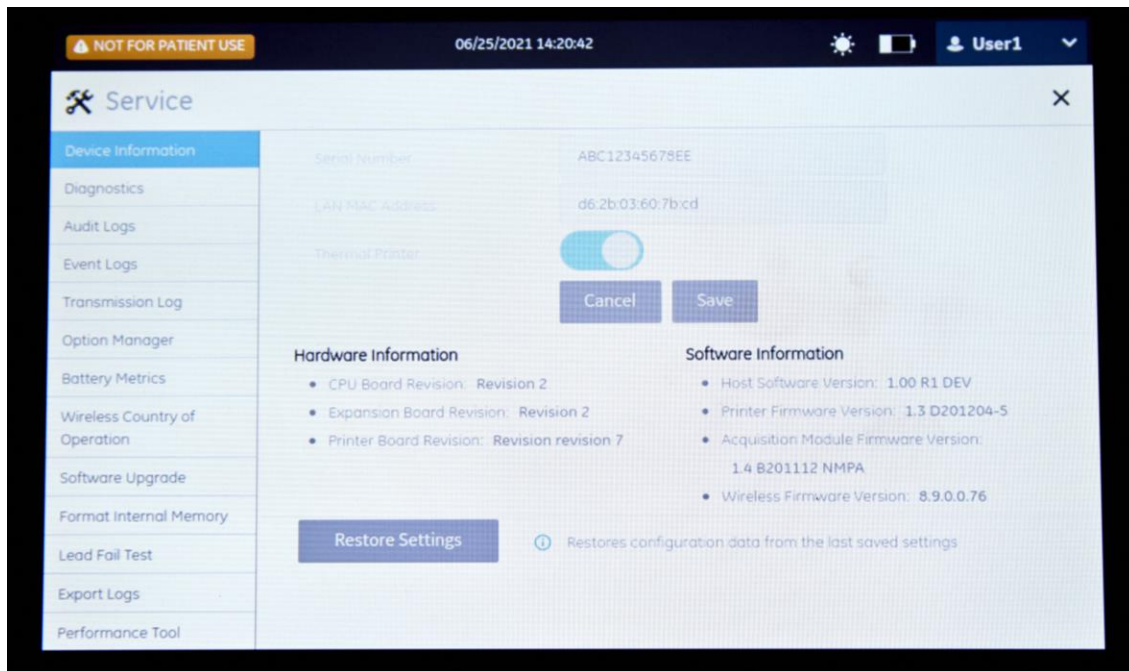


Keep your patient information
safe and in the right hands with
MAC 5

* - <https://www.hipajournal.com/healthcare-data-breach-statistics/> /

Secure

Maintain total control of security updates



Constant threat monitoring for developing security enhancements



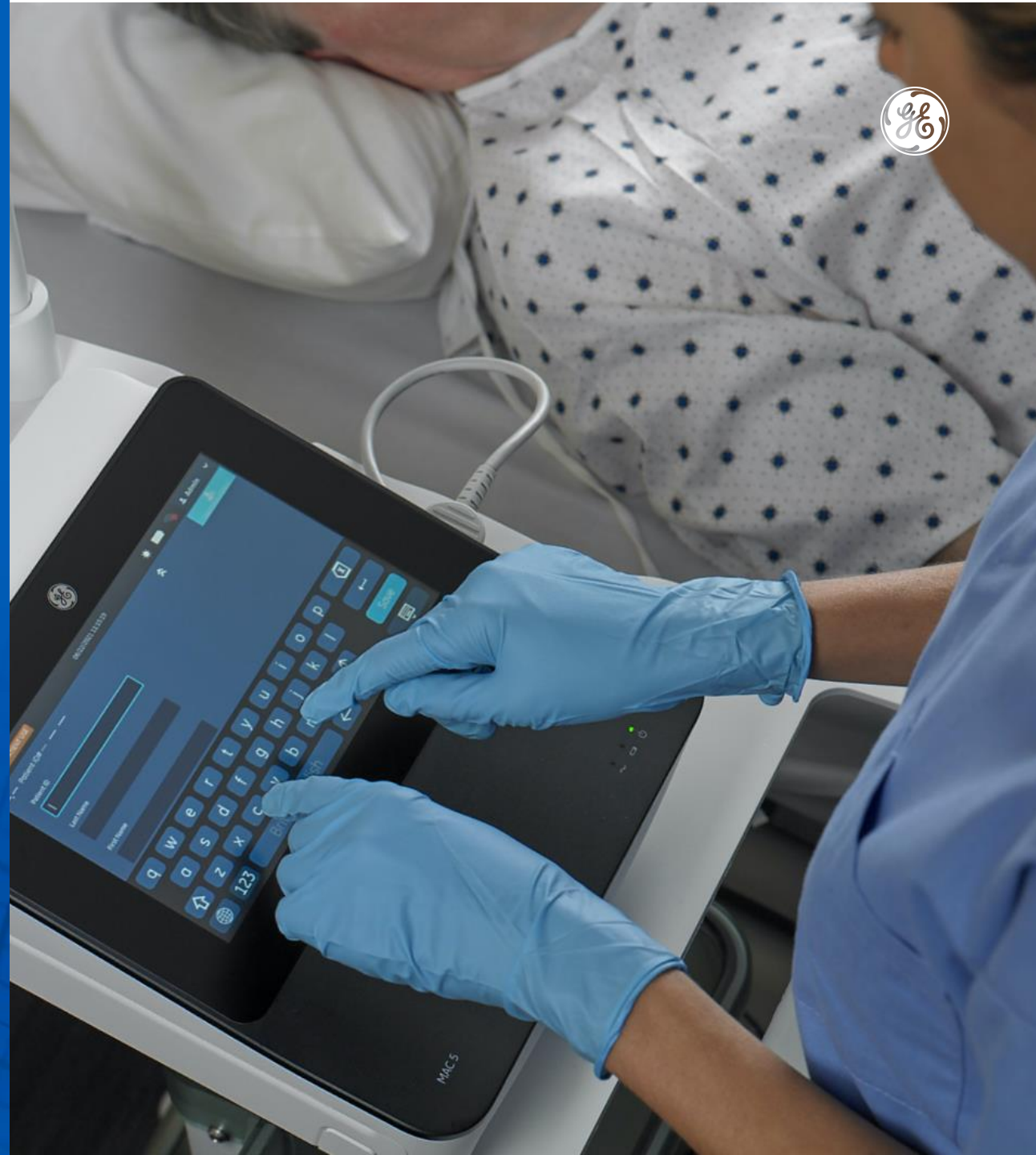
Security design details included in user and service manuals

Secure

Secure for the way you work

“I want an ECG system that allows me to use my work log in for username and password.”

MAC 5's supports LDAP username and password log in authentication



Secure

Protect data integrity



All patient data encrypted



Username and password authentication, including LDAP



Secure network connections by only talking to recognized devices



GE Healthcare

User Name

Password

Log In

STAT

MAC 5



Simple. Precise. Secure

Designed to
Accelerate Quality
ECG with Every
Touch





Building a world that works

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