

CardioSoft Resting ECG

A broader perspective on cardiac patient management

CardioSoft™ Resting ECG application transforms virtually any PC into an advanced diagnostic system with powerful versatility.



Reliable: The confidence of GE algorithms

A clean signal, accurate measurement, and reliable interpretation are critical in resting ECG acquisition. The CardioSoft Resting ECG application is powered by Marquette™ 12SL ECG analysis program, which is one of the most validated ECG analysis programs in the industry and has been cited in over 150 independent publications¹.

Flexible: Mobile and cost-effective

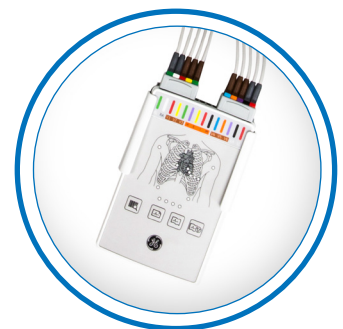
CardioSoft can be installed on a standard PC. The Cardiac Acquisition module connects easily via a standard USB port and provides high-quality 12 and 15 lead ECG acquisition. With optional wireless acquisition, you can eliminate cumbersome wires for flexible positioning of the acquisition computer.

Scalable: Anytime, anywhere results

CardioSoft can seamlessly integrate with MUSE™ and PACS systems providing results virtually anywhere, anytime. You get a comprehensive view of the patient's diagnosis, including clinical analysis data, report results, manual interpretations and confirmations. The CardioSoft Cardiac Testing system can be expanded to also perform Exercise/Stress ECG and Ambulatory Blood Pressure analysis for an even broader perspective on your patient.



GEH-ECG 1200



CAM Connect 14



Signal processing

Arrhythmia detection	Automatic arrhythmia detection, documentation and annotation
Full disclosure ECG	Up to 60 minutes of Full disclosure with event review both during and post acquisition
Reanalysis - Resting	Re-analyze after manual correction of median beats and measurements
ECG analysis	Marquette 12SL ECG Analysis Program for Adult and Pediatric
Computerized Measurements	15-lead analysis includes measurements of user-selectable additional 3 leads
Additional ECG function	Vectorcardiography
Heart Rate Meter	30 to 300 BPM \pm 10% or 5 BPM, whichever is greater. Heart rates outside this range will not be displayed.

Communications/storage

ECG Data Formats MUSE™	GE Hi-Fidelity ECG, XML MUSE Cardiology Information System Compatible (v7 or later) with bi-directional orders and ADT support
Data export	PDF export of final reports (auto export and custom file name); PDF export of Full Disclosure data; Microsoft® Word export of configured reports; XML or Microsoft Excel® export of specified data
EMR connectivity	Integrated with Centricity Practice Solution (CPS) EMR; Other EMRs through MUSE Cardiology; Information System (v8 or later) or GDT/BDT Interface
DICOM	Bidirectional, DICOM modality worklist/orders

Data acquisition (via CAM CONNECT 14)

Technology	Type CF, Defibrillation-Proof Defibrillation protection: Per IEC 60601-2-25:2011
Quality Indicators	Real-time Hookup Advisor with LED lead quality indicators
Remote control	ECG acquisition button
Ingress Protection Level	IPx4
High pass filter	0.04

Additional report filters	20, 40, 100, 150 Hz (selectable)
Line filter	50.0 or 60.0 Hz notch filter (selectable)

Wireless data acquisition (via GEH ECG 1200)

Aquisition Unit

Lead system	Standard 12 Lead
Communication	Digital RF 2400 – 2483 MHz, 0.4mW, conform to FCC Part 15.249
Battery	Size AA x 2, Alkaline or NiMH
Dimensions and weight	Weight [g]: 350 Size [mm]: 140 x 95 x 50

Computer specifications

Microprocessor	Minimum Pentium® 4 class processor with 2 GHz
RAM	Minimum 2 GB
Hard drive	Minimum 80 GB and 4 GB of free space if used as a standalone system
Software installation	DVD-ROM drive or USB
Pointer	Mouse
Display resolution	Minimum: 1280 x 768 Maximum: 3840 x 2160
Interfaces	Minimum: 2 USB ports (1.1, 2.0, or 3.0) for each device using this type of interface, CD-RW, SD card, network interface card (recommended), Serial RS232 for each device using this interface type
Operating system	Windows® 10 Enterprise (64 bit) Windows 10 Professional (64 bit) Windows 8.1 Enterprise (64 bit) Window 8.1 Pro (64 bit) Windows 7 Professional (64 bit) with SP1
Printer	Equivalent to HP® P3015dn (Customer Supplied)
Networking LAN	Wired and Wireless: 802.11 G (optional) TCP/IP interface
Citrix®	Citrix XenDesktop/XenApp 7.13 (Desktop Virtualization and/or Application Virtualization) without data acquisition (dedicated network bandwidth required) on Windows 7; Professional (64 Bit), Windows 8.1 Pro (64-bit), Windows 8.1 Enterprise (64 Bit), Windows 10 Pro (64-bit), Windows 10 Enterprise (64 Bit).

1 Marquette 12SL ECG Analysis Program Physician's Guide, 2032056592-002 Revision B. 2015, GE Healthcare: Milwaukee, WI

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