

Mac-Lab IT

Cardiac Cath Lab Physiological Monitoring System

The cath lab efficiency you need. Patient care you trust.

Mac-Lab IT® powered by Centricity® Xi² Cardiology Information System, is designed to acquire, store and manage clinical data the IT way. It delivers speed and efficiency in clinical workflow and administrative reporting.

Mac-Lab IT combines both the benefits of GE's clinical leadership and information technology in one integrated solution – regardless if you have a single lab or have multiple labs in multiple locations. GE offers a scalable solution that can grow to address your evolving Enterprise IT plan.

With its use of an intuitive Windows® graphical user interface, Mac-Lab IT operation is quick, easy and productive. User-defined procedural lists, workflow automation and configurable electronic documentation help improve case flow, speed and overall ease-of-use. For maximum system reliability, Mac-Lab IT adds the proven dependability of our multiparameter TRAM® module for dedicated real-time data acquisition. Industry-standard hardware, on-line help and the ability to save full-disclosure data to the network or DVD disc media further ensure confident operation. Built-in interactive reporting enables point and click data manipulation with interactive capability.



System Features and Options

GE X-ray bi-directional Interface
ImageCapture
End-Tidal CO₂
Dual or triple monitor system configuration
Configurable Electronic Documentation
Statistics and Inventory: Data Management System
Innova Central table-side touchscreen interface
Networking solutions, such as Pre/Post Op and Nurses' Workstation, for simultaneous data entry with centralized data storage
Connectivity to holding area bedside monitors:
GE DASH and GE SOLAR monitors
Domain model enables Hospital IT administration of security
Enhanced workflow automation
Integrated Vitals with Audible Indicators
Coronary diagramming module
Continuous ST Segment analysis window
Electronic white board scheduling module
ADT, Orders, Billing, Results Interface(s)

Technical Specifications

Processor/Data Storage

Intel 3.2GHz Pentium IV Xeon or greater processor
512 MB of RAM
2 x 40 GB hard drives
9.4 GB DVD-RAM/CD-RW drive
Optional 2.6 GB Magnetic Optical drive
Optical Scroll Mouse
OS: Windows XP Professional
Microsoft Office XP Professional

Networking

100 Base-T Ethernet, TCP/IP

Monitors

19" flat panel, ultra high-resolution color
1280 x 1024 resolution

Printer

Black & White Ricoh 410n
Ricoh AFICIO CL3000e Color LaserJet

Physiologic Recordings

Amplifiers: Modular transport design
ECG: 12-lead with ST segment analysis
Respiration: Impedance method (1 - 200 breaths per minute range)
Cardiac Output: Thermodilution, calculated and estimated Fick
Invasive Pressure: 4 channels with means (-98 to 350mm/Hg range)
Non-invasive Pressure: Automatic and manual modes (oscillometric)
Pulse Oximetry: Saturation range 0 - 10% (accuracy 90 - 100%, 1.5%)

Compliance with Standards

UL 2601-1, IEC EN60601-1-2
European Union Medical Device Directive (CE Marked)

Environmental/Electrical Specifications

Operating Temperature: +10°C to +40°C
Storage Temperature: -10°C to +45°C
Humidity: 30 - 75% (storage: 10 - 95%, non-condensing)
Maximum Current Draw: 15A / 115V, 7A / 230V
Chassis Leakage Current: <100 µA

Physical Specifications

	Width (in/cm)	Depth (in/cm)	Height (in/cm)	Weight (lbs/kg)
Controller	8/21	21/52	18/45	45/20
Workstation - 65"	65/165	30/76	30/75	172/77
Workstation - 47"	47/114	30/76	30/75	145/65
Workstation - Box	24/61	28/71	30/75	89/40
Flat Panel Monitor (19")	16/4	18/20	15/37	21/10
Remote CRT Monitor (19")	18/46	18/46	17/43	61/28
Remote Flat Panel Monitor (21")	19/47	9/22	19/47	20/9
Ricoh 410n	15/38	18/45	14/35	38/17
Ricoh AFICIO CL3000e Color Laser Jet	17/42	21/53	16/40	68/31
IEB	11/28	21/53	25/64	75/34
Remote Acquisition Unit	6/15	9/23	14/36	15/7
Rack for Server 2	4/61	36/91	43/109	176/80

GE Medical Systems Information Technologies GmbH
Munzinger Straße 3-5
79111 Freiburg, Germany
Tel. +49 761 4543 0 • Fax +49 761 4543 233

www.gehealthcare.com



GE imagination at work

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