The **Cardiac Science**™ CareCenter MD™

The multimodality PC-based diagnostic workstation designed for today's physicians

Primary Users

Primary Care Physicians

Cardiology Practices

Primary Benefits

Multimodality, scalable workstation. One platform for both ECG and Stress testing means no re-entry of patient data, plus scalability for new modalities as they become available.

Convenience. Wireless data acquisition means safety, comfort, and confidence for your patients and staff.

Ease of use. Our modern, flexible user interface uses the same simple, one-button navigation for all modalities.

Advanced networking. CareCenter MD OfficeNet provides access to complete test data across the network; CareCenter MD Online allows for remote live consultations – only from Cardiac Science.
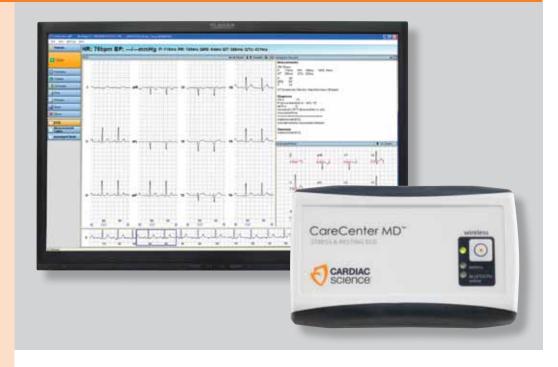
Shared patient database. A single, shared patient database means results are available throughout your network, with or without an electronic medical records system (EMR).

Flexibility. Modify and save screen views on the fly. Select the report format that works best for you.

EMR connectivity. Save, review, and combine permanent patient records in your EMR via HeartCentrix or HL7.

Confidence. Physicians trust the Burdick® and Quinton® product lines with more than 65,000 devices delivering proven performance in many clinical environments.

CareCenter MD from Cardiac Science, the recognized industry leader, delivers a comprehensive and cutting-edge ECG and Stress solution through a PC-based diagnostic workstation. Enjoy the connectivity and ease of use that today's physicians' practices need.

CareCenter MD, today's PC-based, wireless diagnostic workstation

+ One PC-based diagnostic workstation for ECG, Stress, and future modalities means just one simple system to learn and no redundant data entry.

+ Optional Bluetooth wireless data acquisition eliminates clumsy wires and allows patients and equipment to be placed where you want.

+ Multiple Bluetooth® acquisition devices can be paired with a single PC, and multiple PCs can pair with a single device.

Advanced networking capabilities

+ CareCenter MD OfficeNet™ provides multi-station networking to a single shared database. Access patient data from any CareCenter MD workstation in your office or across multiple offices.

+ CareCenter MD Online™ provides physicians with remote access to live tests. Give or receive immediate patient consults with built-in instant messaging.

+ Connects to the leading electronic medical record systems (EMRs) via HeartCentrix® or HL7, so you can save, review, and combine permanent patient records.

Easy to use and accurate

+ Easy-to-read layout with a full display of key patient and test data.

+ One-button navigation for all modalities simplifies workflow.

+ Fast access to advanced display and analysis tools with just the click of a mouse.

+ Sophisticated analysis software extensively tested against a variety of industry standard databases for optimum performance.

+ Flexible configuration options let you select the screen views and reports that work best for you.

+ Unique at-a-glance indication of electrode contact quality verifies patient hookup prior to testing.

The **Cardiac Science**™ CareCenter MD™

TECHNICAL SPECIFICATIONS

PC MINIMUM SPECS

CPU	Intel compatible processor 2 GHz
Memory	RAM 1 GB (2 GB for server)
Hard disk	> 10 GB of available space (100 GB for server to accommodate database)
Drive	CD or DVD drive
USB ports	6 x USB 2.0 (USB acquisition device or BT adapter, treadmill, QRS Sync, license dongle(s), keyboard, mouse). An optional USB 2.0 hub can be used for the keyboard, mouse, and license dongles.
RS-232 serial port	For ergometer, treadmill, or ABP unit
LPT (parallel) port	For USB blood pressure sync
Display	Resolution 1024 x 768 (minimum) 1280 x 1024, 24 bit or better (recommended)
Network	Network interface card 10Mb/s min, 1000Mb/s recommended
Operating systems	Windows XP Pro SP2, Vista Pro, Windows 7 Pro, Server 2003, Server 2008
Bluetooth adapter	Windows Bluetooth emulator from Microsoft (recommended) or Widcomm Bluetooth Stack 4.x - 5.5, Bluetooth adapter from Cardiac Science (not compatible with MS Server 2003 or 2008 OS)

TECHNICAL DATA

Dynamic range	± 316 mV DC
Sample rate	8000 Hz [125 μs] for each of the 10 electrode channels
Resolution	2.576 μV / LSB, 18 bit
Common mode rejection	≥ 120 dB
Frequency range	0.05 Hz - 150 Hz
Pacemaker detection	Digital monitoring of all electrodes. Amplitude ≥ 2 mV, Duration ≥ 200 μs, Edge times ≤ 100 μs
Input impedance	> 50 MΩ
Electrode check	Frequency analysis and impedance measurement
Input protection	Against defibrillator shock and RF surgery pulses
Patient cable connection	15-Pin D-Sub for 10-lead patient cable, AHA or IEC color code, pinch (Stress), and banana plug with clip (ECG)
Applied part	Type CF
Standards	DIN EN 60601-1; DIN EN 60601-1-2; DIN EN 60601-2-25; DIN EN 60601-2-51;

BLUETOOTH WIRELESS ACQUISITION DEVICE

PC interface	Bluetooth class 1 or class 2
Power supply	2 AA alkaline 1.5 V or NiMH rechargeable batteries (2500 mAh, external charge) Operating time: 10 hours continuous data transmission at full charge
QRS trigger output	Via separate radio transmitter (915 MHz)
Size	110 mm x 65 mm x 28 mm (4.3 in x 2.5 in x 1.1 in)
Weight	160 g (5.64 oz) with batteries

USB ACQUISITION DEVICE

PC connection	USB 2.0 (5 meter USB cable)
Power supply	Powered via USB connection
QRS trigger output	Via LPT and serial port of the PC
Size	95 mm x 64 mm x 28 mm (3.7 in x 2.5 in x 1.1 in)
Weight	90 g (3.17 oz)

ENVIRONMENTAL (ACQUISITION DEVICES)

Operating	Temp +5 °C to +40 °C, relative humidity 5% to 85%, non-condensing
Transportation	Temp -25 °C to +70 °C, relative humidity <95%, non-condensing
Storage	Temp -5 °C to +45 °C, relative humidity 5% to 95%, non-condensing

CONFIGURATIONS

CCMD-RUA1A	Resting ECG, USB, AHA, CareCenter MD
CCMD-RBA1A	Resting ECG, BT, AHA, CareCenter MD
CCMD-SUA1A	Stress-Resting ECG, USB, AHA, CareCenter MD
CCMD-SBA1A	Stress-Resting ECG, BT, AHA, CareCenter MD
CCMDTSUA1A	Stress-Resting ECG, USB, AHA, CareCenter MD, TM55
CCMDTSBA1A	Stress-Resting ECG, BT, AHA, CareCenter MD, TM55

WARRANTY

Acquisition modules	1 year
Cables and accessories	90 days
Software updates	Free of charge

Note: For detailed technical specs, please refer to the CareCenter MD™ Product Information and Safety manual, P/N 70-00663-01 and the CareCenter MD™ User Guide, 70-00531-01.

Protect your investment.

Extend your warranty with a Q-Care™ service contract. Ask your sales representative for details.

(Available only in the U.S.A.)

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