CARDIOLINE

Enter the Cardioline world

touchECG System - Windows HD+ configuration
digital ECG for advanced applications
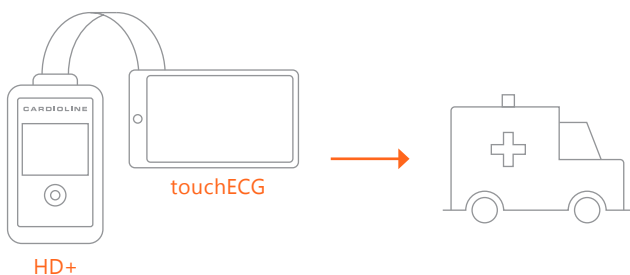

Acquisition unit: HD+

- Fully diagnostic 12/15 lead ECG acquisition unit (+ 3 Frank). Patient cable options for 10/13 wires

- Lightweight, wireless and robust device, comfortable for patient and ease of use for technician

- Wireless connection or via USB cable (optional)

- Extreme portability and ease of use thanks to single command button, with water and dust protection (IP42 with silicon shell) and drop proof (1 meter, all angles)

- Low power consumption technology allows for more than 10 hours of continuous usage (greater than 500 ECG's)

touchECG for Windows

- Next generation PC ECG application, designed for Windows touch screen tablets and laptops

- Simultaneous view of 12 or 15 lead high quality signals on screen, and rhythm strip of continuous acquisition (up to 30 minutes)

- Fully integrable with hospital PACS and HIS through bidirectional DICOM data flow

- Supports SCP, PDF, GDT data transfer, HL7 protocol (optional)

- Native integration to Cardioline's ECGWebApp platform, the ECG management system for editing and storage, totally based on web technology

Technical specifications

ECG leads	12/15 leads
Patient cable	Replaceable 10 wire patient cable
	Replaceable 13 wire patient cable
CMRR	> 100 dB
DC input impedance	> 100 MΩ
A/D converter	24 bit 128.000 samples/second/channel
ECG resolution	< 1µV/LSB
Dynamic range	+/- 500 mV
High frequency response	Performance equivalent to 0,05-300 Hz
Pacemaker detection	Software detection for 128.000 samples/second/channel; pulse duration range: 0,2 ms - 2 ms; pulse size range: 2 mV - 250 mV. Exceeds IEC standards 606011-2-25:2011
Filters	Linear phase digital diagnostic high-pass filter (according to 60601-2-25 2nd ed.)
	50/60 Hz AC interference adaptive digital filter
	Digital low pass filters at 25/40/150 Hz, for display and printing only
Exported formats	SCP-PDF-XML-GDT standard configuration
	DICOM optional
	HL7 optional
Operating system	Windows 10
Data transfer	Bluetooth Low Energy for HD+ 12 and HD+ 15
	USB optional for HD+ 12 and HD+ 15
Memory	Internal archive stores up to 1000 ECG's

touchECG

HD+

Advanced display, intuitive operator interface and functional design. Can be used with a Rugged tablet solution, ideal for emergency applications. Instantly allows for sending a first patient diagnosis enroute to the emergency room.

Exam transmission from TouchECG to a reporting ECG center with Cardioline's ECGWebApp or other ECG management platforms that can be integrated for analysis and reporting. Ideal for Tele-Healthcare applications.

ECGWebApp

Clinician/ cardiologist

touchECG

Reporting centre