CARDIOLINE

Enter the Cardioline world

touchECG System - Android HD+ configuration

Digital ECG for advanced applications on tablet and smartphone

Acquisition unit: HD+

- Fully diagnostic 12 lead ECG acquisition unit, with 10 wire patient cable

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

- High signal quality with low noise. Exceeds the most stringent standards for ECG acquisition (AAMI, AHA)

- 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 Android

- Next generation PC-ECG application, designed for Android tablets and smartphones

- Simultaneous view of 12 lead, high quality signals on screen, with zoom capability

- Ease of use and portability make it ideal for telemedicine and emergency applications where time and precision matter

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

Technical specifications

ECG leads	12-leads
Patient cable	10 wire replaceable 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 0,05-150 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
	DICOM optional
	HL7 optional
Operating system	Android 9 or higher
Data transfer	Bluetooth LE 5.0
Memory	Internal storage up to 1000 ECG

The electrocardiographic workflow can be managed through direct integration with the platform Cardioline ECGWebApp for internal or external reporting (clinician / cardiologist / Reporting Centre) and archiving of ECGs, as well as with other TeleHealthcare platforms. Designed and engineered for use in telemedicine on smartphones and tablets.

HD+ 12 Android   touchECG Android   ECGWebApp   Clinician/ cardiologist

Reporting centre