

CARDIOLINE

# Enter the Cardioline world

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



## Acquisition unit: HD+

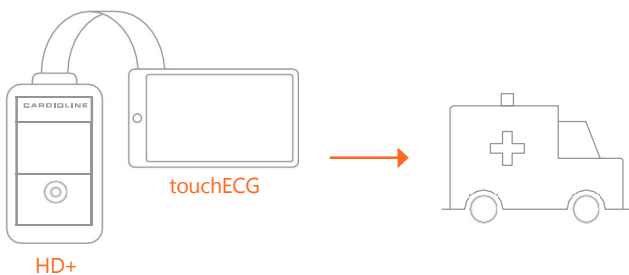
- Fully diagnostic 12/15 lead ECG acquisition unit (+ 3 Frank). Patient cable options for 10/13 wires
- Lightweight, wireless and robust device, comfortable for patient and ease of use for technician
- Wireless connection or via USB cable (optional)
- Extreme portability and ease of use thanks to single 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
CMRR	Replaceable 13 wire patient cable
DC input impedance	> 100 dB
A/D converter	> 100 MΩ
ECG resolution	24 bit 128.000 samples/second/channel
Dynamic range	< 1μV/LSB
High frequency response	+/- 500 mV
Pacemaker detection	Performance equivalent to 0,05-300 Hz
Filters	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
Exported formats	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
Operating system	SCP-PDF-XML-GDT standard configuration DICOM optional HL7 optional
Data transfer	Windows 10 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



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.

