



PORTABLE ECG WITH EMBEDDED IA



Very innovative ECG embedding IA detect heart issues in advance.

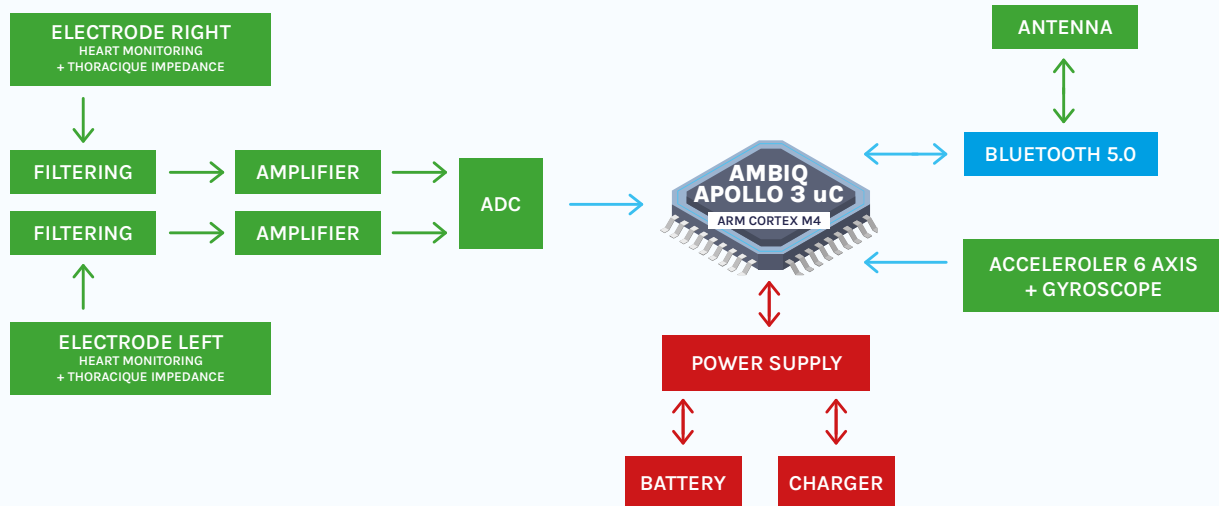
The device is very cost effective and work 7 days before recharging it.

FEATURES

- Bluetooth 5.0 wireless communication interface
- 24/7 ECG monitoring with a single battery charge
- Performs ECG morphological analysis and generates alarm events only on parameters deviation
- Integrated rechargeable battery
- Charging station for fast battery charging
- Integrated 6-axis accelerometer + gyroscope sensor
- Optimized power consumption and communication protocol, which allow very long operation (24/7) on a single battery charge (320 mAH) :
 - └ 1 year on standby mode
 - └ 7 days with full operation (24/7)

- ECG on-device processing and analysis
- Comfort and reliability achieved by the ultra thin and light device design
- Movement and fall detection by the integrated 6-axis sensor
- Low cost thanks to the optimized hardware and firmware, which fits in small memory footprint
- Product Size in mm (without external antennas) : 115 x 35 x 6
- Operating temperature : -20 to +55 DEGC

BLOCK DIAGRAM



DELIVERY

- | | |
|---|--|
| Schematics | Test program with test bench for manufacturing |
| Layout | Ambiq uC Firmware |
| eBOM | |
| <ul style="list-style-type: none"> └ Production files (PCB Structure, Component placements for SMT production machines...) └ Test program with test bench for manufacturing | |

ASSOCIATED SERVICES

We can provide customization services either on the hardware or on the embedded software or on the mechanical design.

We can manage for you the EMS in charge of the production of the device.