



6-CHANNEL 12-LEAD TABLET ECG · EKG SERIES · CARDIOLOGY

PCB-EKG-12

ABOUT THE PCB-EKG-12

Hospital-grade 12-lead ECG in a tablet form-factor.

The **PCB-EKG-12 Tablet 12-Lead ECG** reinvents electrocardiography for the digital hospital. Six channels, twelve leads and a **10.4-inch touchscreen (1024×768)** in a single tablet — designed to move with the clinician between wards, exam rooms and mobile stations.

At its core, the **Glasgow ECG interpretation algorithm** and **iFilter adaptive filtering** deliver clinically-trusted analysis. Pacemaker detection, waveform freezing, waveform review and report reanalysis mean fewer repeat exams and faster diagnostic decisions.

Full **Wi-Fi connectivity** and wired network integration send reports directly to the hospital **PACS and HIS**. Print options include the built-in thermal printer, external printer or fully paperless workflow.

Awarded the **Red Dot design prize in 2016** — recognized industrial design for critical clinical use.



10.4" tablet touchscreen

High-resolution touchscreen (1024×768) with tablet-style navigation. Fast one-hand operation and in-glove touch. Wall-mount, cart or mobile.



Glasgow interpretation

Clinically validated Glasgow ECG algorithm for automatic interpretation. iFilter adaptive filtering removes noise while preserving diagnostic detail.

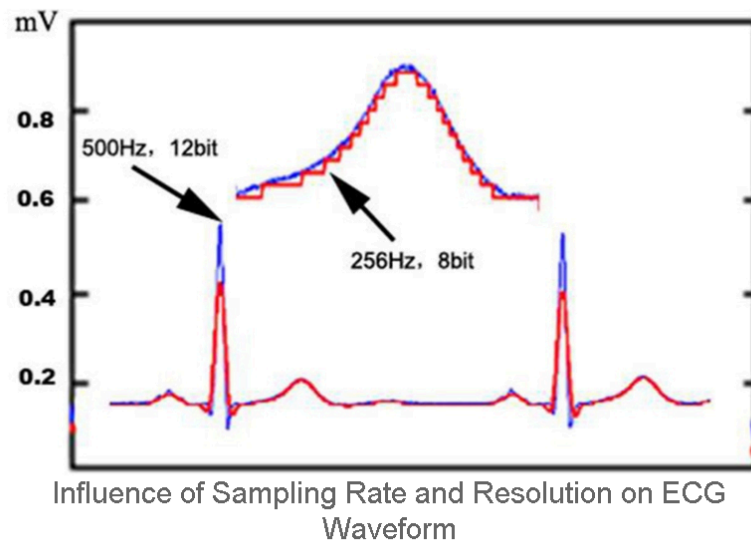


PACS + HIS via Wi-Fi

Wi-Fi and wired network integration. Reports go directly to hospital PACS and HIS — no USB, no printouts, no manual entry.

POWERFUL PERFORMANCE

32 kHz · 24-bit · ultra-wide response.



— KEY CAPABILITIES

REAL-TIME 12-LEAD VIEW

- Standard I, II, III · aVR, aVL, aVF
- Precordial V1 – V6
- Live grid + patient ID + timestamp
- 25 mm/s · 10 mm/mV standard

GLASGOW INTERPRETATION

- Automatic diagnostic interpretation
- iFilter adaptive filtering
- Waveform freeze + review + reanalysis
- Pacemaker detection

WI-FI + PACS/HIS

- Direct upload to hospital PACS
- HIS patient database integration
- Wired ethernet backup
- Cloud archive supported

MULTI-MODE PRINTING

- Built-in thermal printer
- External printer compatible
- Fully paperless workflow
- On-tablet report review

TECHNICAL DATA

Complete specifications.

SIGNAL ACQUISITION

- Type: Tablet 12-lead ECG
- Channels: 6
- Leads: 12
- Sampling rate: 32,000 Hz
- A/D conversion: 24-bit
- Frequency response: 0.01 – 350 Hz
- Patient range: Adult · Pediatric · Newborn
- Speed: 25 mm/s adjustable
- Sensitivity: 10 mm/mV adjustable

SOFTWARE & ANALYSIS

- Interpretation: Glasgow ECG algorithm
- Filtering: iFilter adaptive
- Pacemaker: Detection supported
- Waveform tools: Freeze · Review · Reanalysis
- Report preview: Yes · with signal quality
- Auto-diagnosis: Sinus rhythm · arrhythmia hints
- Measurements: HR · PR · QRS · QT · QTc · Axis
- Records: Historical query + case management

HARDWARE & POWER

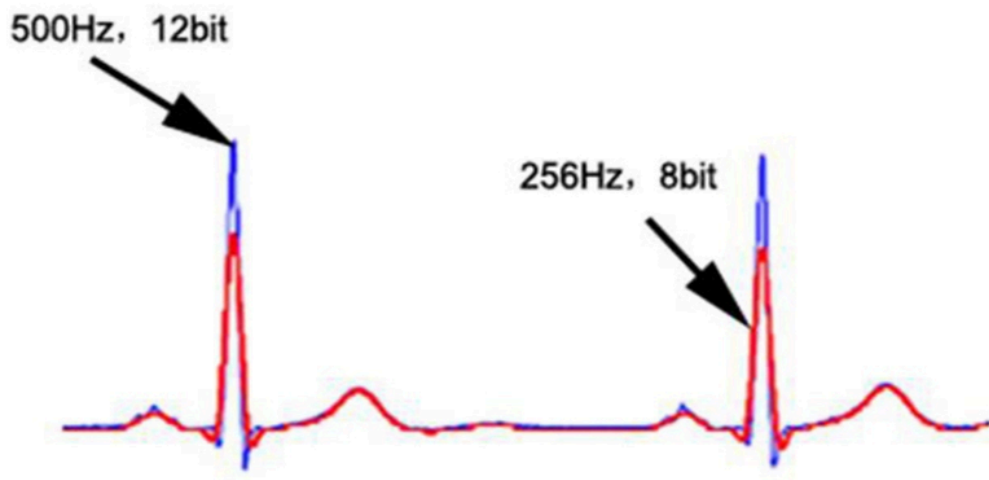
- Display: 10.4" touchscreen · 1024×768
- Printer: Built-in thermal + external
- Recording: Built-in · External · Paperless
- Wi-Fi: Yes · PACS + HIS
- Wired: Ethernet · USB
- Power: AC 100 – 240 V · 50/60 Hz
- Award: Red Dot Design 2016
- Certifications: CE · ISO 13485



Hospital integration · HL7 / DICOM

Standard Wi-Fi + wired networking. Direct access to hospital systems via HL7/DICOM protocol — no third-party software needed. Barcode scanner for patient info input, printing report, report import/export.

- Ergonomic clinical tablet
- Base + printer + battery
- Ready for wall-mount or cart



Influence of Sampling Rate and Resolution on ECG Waveform

QUALITY & COMPLIANCE

Manufactured under international quality standards.

We develop and commercialize medical equipment under our own standards, supported by partnerships within a global production network and a strategic sourcing approach, which allows us to offer our distributors reliable, competitive solutions ready for international markets.

From product definition and technical specifications to branding, packaging, and documentation, we control every critical aspect of the process.

We have a service department in Asia and the United States that provides multilingual and immediate technical support, ensuring operational continuity for our distributors and their end customers.

USED ACROSS THE MODERN DIGITAL HOSPITAL

Hospital

ICU

Emergency

Cardiology

OR / Anesthesia

Ward

Screening

PACS Integration