



medical **ECONET**  
GERMANY



## CARDIO M-PLUS

New version

- Touch screen operation (Full alphanumeric keyboard support)
- USB memory storage / USB barcode scanner / USB external keyboard
- 7" color TFT LCD screen (800X480) with 12CH preview
- Preview function before printing paper
- Long term ECG recording & automatic arrhythmia detection
- Special reports for detailed interpretation (Beat, Guide, Vector)
- Internal memory for 200 ECGs
- Various ECG formats: XML, PDF, MFER, DICOM, ECG
- Diagnosis form 1st postnatal day (pediatrics)
- Expression on A4 size paper
- USB Wifi converter (optional)
- Spirometer with various parameters (optional)
- High capacity rechargeable Li-Ion battery for min. 3 hours operation (optional)
- Free software

# Specifications

General specifications	
Dimensions	300 (W)x 299 (H)x 123 (D) mm, approx. 4 kg
Display	7" color TFT wider display (800x480)
Basic Measurement	heart rate, PR, QRS, QT/QTc, P-R axis
Recording channel	3CH+1RHY, 3CH+3RHY, 6CH+1RHY, 12CH, 1CH Long time (1 min, 3 min, 5 min, 10 min) and Special Report
User Interface	touch screen, Hot key, Barcode Scanner, USB Key board
External Link	LAN, WIFI (option), 2 USB ports
Touch screen	Full Alphanumeric Keyboard Support
Pacemaker detection	Duration: > 0.2ms Amplitude: > 2mV
Disclosed ECG	5 minutes memory 10 seconds Report
Long-term ECG	3/5/10 minutes
Battery	Li-ion, recharging time: 3 h. minimum
LAN	10/100 Base-T1EE 802.3 Manual IP or DHCP
Wi-Fi	Wi-Fi USB converter (optional) (802.11a/g/i, WPA,WPA2)
USB memory	2 ports
Other input device	USB barcode reader USB external keyboard
Standard supported file format	ECG, XML, PDF, JPEG, MFER, DICOM
Power specifications	
Power	95~240 VAC, 50/60 Hz, 1.5A
Output	60VA max
Battery type	replaceable and rechargeable, Li-ion
Battery capacity	360 minutes of continuous operation without recording or 200 ECGs with a fully charged battery.

Performance specifications	
Filters	AC (50/60 Hz, - 20dB or better) Muscle (25~35Hz,-3dB or better) Base line drift (0.1 Hz,-3dB or better) Low pass filter (off, 40Hz, 100Hz, 150Hz)
Electrical specifications	
Input impedance	more than 50MΩ
Input voltage range	±5mV
CMRR	greater than 100dB
DC offset	3.2 sec
Patient leakage current	<10μA
Frequency response	0.05 ~150 with in -3dB isolated, defibrillation and ESU protected
Record	12 ch. Auto, rhythm, disclosure, arrhythmia detection
Signal Quality control	Pacemaker pulse detection, Lead fault detection
ECG Data storage	built-in memory up to 200 ECGs; USB memory stick

## Direct and bidirectional connectivity with PACS (Optional)

- ECG viewer
- Spiro viewer
- Data management software
- Reception room
- Registration & management of patient data
- Worklist
- HIS server
- PACS
- Study
- Examination room
- Emergency room
- Inpatient room
- Spirometer function available (optional)

## Dimensions

300 x 299 x 123 mm, approx. 4 kg



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