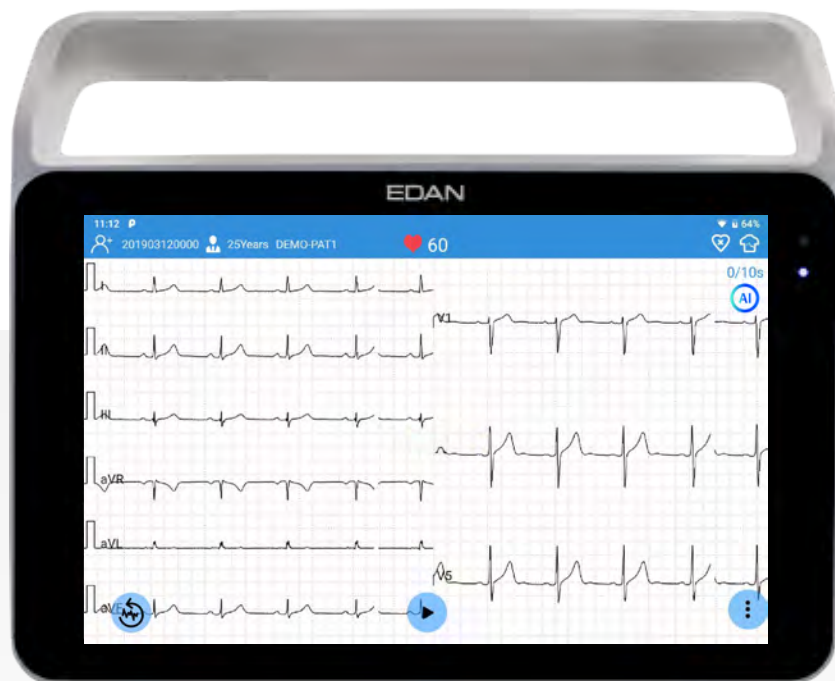
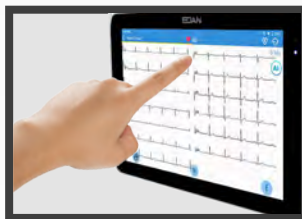


iSE SERIES

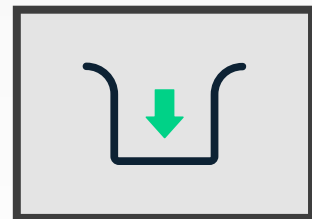
ECG Machine



Weighing Under 2.2 lbs,
the iSE Prioritizes Mobility



10" Multi-Touch
Screen



Large Internal Storage
of Over 100,000 ECGs

The iSE Series effortlessly supports both 18-lead and 12-lead applications. Boasting the appearance and functionality of a tablet, it delivers an outstanding mobile experience while forging a smooth integration with IT systems. It excels at effortlessly integrating into diverse mobile applications, spanning from ambulance or first-aid services to modern, paperless, hospital environments.

Features:

- Auto arrhythmia detection
- QTC analysis & Interpretation (Glasgow included)
- With a resolution reaching up to 1920x1200, the display captures intricate waveform details clearly
- Zero button design for easy cleaning and disinfection
- Automatic sampling once all lead cables are connected
- Built-in Lithium-Ion battery with up to 8 hours of operating time
- File export for PDF, JPG, FDA XML, DICOM ECG Waveform/Worklist, HL7



Standard Parameters: 12-lead ECG

Optional Parameters: 18-lead ECG, Thermal Recorder

Configurations

iSE-1210

12-Lead with Carry Handle

iSE-1210.T

12-Lead with
Thermal Recorder

iSE-1810

18-Lead

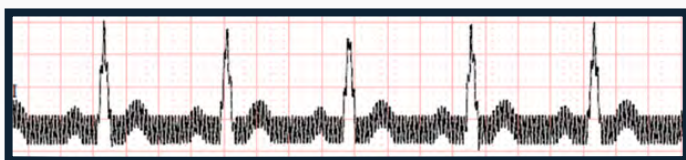


On-Screen Measurement & Diagnosis

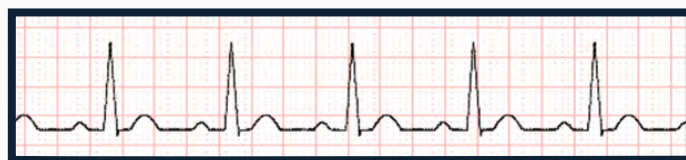
Amplify and measure any waveform with precision, while seamlessly editing and confirming reports. Explore historical data by selecting and comparing reports side by side for comprehensive analysis.

Self-Adaptive Filter Technology

The cutting-edge self-adaptive AC filter technology guarantees superior ECG signal quality in real-world clinical settings.



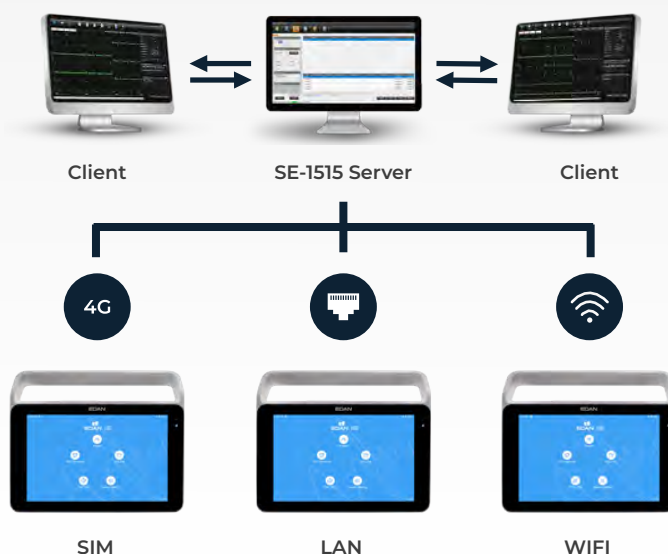
ECG Waveform Before Filtering



ECG Waveform with AC Filter

Powerful Connectivity

- The iSE provides various network solutions to share ECG data with IT systems via LAN, Wi-Fi, Bluetooth or 4G
- Bi-directional communication with added on SE-1515 software



Included Accessories

- Rechargeable Li-Ion Battery (15.2V, 3550mAh) — **01.21.064394**
- Power Adapter (19V) — **21.21.064244**
- ECG Cable (4mm, banana connector, AHA) — **01.57.471614**
- 10-Lead Universal Clips - Snap/Banana Socket Adapters — **01.57.040172**

Optional Accessories

- Mobile Trolley — **MT-207**
- Carrying Case (for non-printer version) — **01.56.467034**

Specifications

PHYSICAL SPECIFICATION

No handle or thermal printer: 270mm(L)×170mm(W)×28mm(H)
With handle: 270mm(L)×230mm(W)×52mm(H)
With thermal printer: 274mm(L)×274mm(W)×90mm(H)

Weight:

1.2 kg (excluding thermal printer, handle, and printer)
1.4 kg (with handle, excluding thermal printer and printer)
2.3 kg (with thermal printer, excluding handle and printer paper)

DISPLAY

Screen Size: 10.1"
Resolution: 1920 x 1200 LCD full touch screen

POWER SUPPLY

Mains Supply:

Operating Voltage = 100V-240V
Operating Frequency = 50Hz/60Hz
Input Current = 1.1A

Internal Li-ion Battery Pack:

Rated voltage = 15.2V
Rated capacity = 3,550 mAh
Operating time: > 8 hours
Charge time: ≤ 5 hours

HR

Range: 30 BPM~300 BPM
Accuracy: ±1 BPM

DE12 / DE18 PERFORMANCE

Leads:

DE12: 12 standard leads
DE18: 18 standard leads

A/D Converter: 24 bits

Sampling Frequency: 64,000/sec/channel

Acquisition Mode:

DE12: Simultaneously 12 leads
DE18: Simultaneously 18 leads

Resolution: 0.1192μV/LSB

Resolution: ≥5s

Frequency Response: 0.01Hz ~ 350Hz (3dB)

Input Impedance: ≥ 100M Ω (10Hz)

Input Voltage Range: ≤±5 mVpp

CMRR:

≥140dB (AC on)
≥123dB (AC off)

Gain: 1.25, 2.5, 5, 10, 20, 10/5 mm/mV, AGC (±5%)

Input Circuit Current: ≤0.01 μA

Calibration Voltage: 1mV±2%

QTc Formulas: Bazzet, Fridericia, Framingham, Hodges, and QRS

PACEMAKER

Amplitude:

DE12: ±500 μV to ±700 mV
DE18: ±750 μV to ±700 mV

Width:

DE12: 30 μs to 2.0 ms
DE18: 50 μs to 2.0 ms

FILTER

AC Filter: Off/50Hz/60Hz

DFT Filter: 0.01Hz/0.05Hz/0.32Hz/0.67Hz

EMG Filter: Off/25Hz/35Hz/45Hz

LOWPASS Filter: 350Hz/300Hz/270Hz/150Hz/100Hz/75Hz

DATA TRANSMISSION

Report Format: SCP, FDA-XML, DICOM (Encapsulated PDF), DICOM (ECG Waveform), PDF, JPG, BMP, PNG, and TIFF
Data Transmission: WiFi, Ethernet, 4G network
Data Storage: 100,000 pieces of 10s DAT examination with files
Data Management System:
SE-1515 Data Management System
bi-directional communication

WIFI

Transmitting Frequency: 2.4GHz & 5GHz

Frequency Band:

2412 MHz-2472 MHz (2.4GHz)
5150 MHz-5850 MHz (5GHz)

Modulation Type

DBPSK/DQPSK/CCKBPSK/QPSK/16QAM/
64QAM,GFSK,π/4 DQPSK,8 DPSK

Transmitting Power:

≤17 dBm (2.4GHz)
≤17 dBm (5GHz)

4G (Optional)

Bands:

FDD LTE: Band 1, Band 3, Band 8, all bands with diversity

TDD LTE: Band 34, Band 38, Band 40, all bands with diversity

NFC (Optional)

Frequency Band: 13.56 MHz