

Guaranteed by KoçMedical / Aselsan

Heartline **AED**

(Automated External Defibrillator)

Life-Saving Technology

**Get Ready,
Take Action,
Save!**

Proper positioning is
a matter of life and death

It is a legal requirement to have an AED.

As KoçMedical | Biçakçılar, we are at your service with AED solutions that comply with the regulations.



 **KoçMedical**

AED

Overview



The maximum access time should be **3 minutes**



Data and information must be able to be imported into the **IoT module**



There must be **2 pads**, 1 for adults and 1 for pediatrics



It must be **fully automatic** and available to all users

Automated External Defibrillators (AEDs); are life-saving, fully automatic devices that help restore the heart's normal rhythm in the event of sudden cardiac arrest and can be safely used by non-medical professionals thanks to their easy-to-follow instructions. **At this point, AEDs play a vital role in responding to emergencies.**

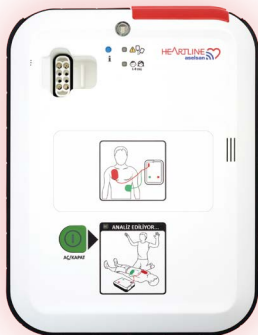
In accordance with the Automated External Defibrillator Guidelines

Published by the General Directorate of Emergency Health Services

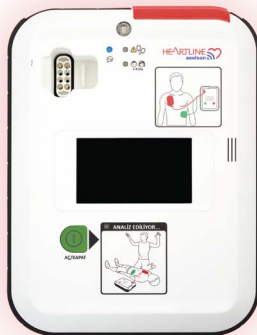
- The maximum access time for the device should be **3 minutes**.
- It must be possible to transfer operational status, periodic test results, battery level, motion, location data, and ECG data to the **IoT module**.
- The device must include **2 pads**: 1 adult and 1 pediatric.
- It must be designed to be **fully automatic** so that it can be used safely even by non-medical personnel.

Product Portfolio

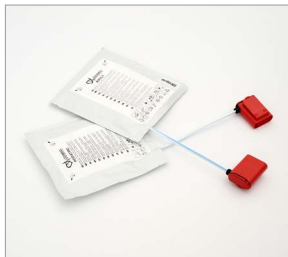
Aselsan Hearttline offers a wide range of products according to needs and applications.



Fully Automatic, Screenless,
IoT-Enabled



Fully Automatic, with Display,
IoT-Enabled



AED Adult and Pediatric Pads



AED First Aid Kit



Floor-Standing
Cabinet



Wall-Mounted



Bracket



Directional Sign

Technical Specifications



- The device automatically detects shockable arrhythmias such as ventricular fibrillation (VF) and pulseless ventricular tachycardia (nVT).
- It guides the user step by step using voice and visual prompts.
- It is designed to be used safely by people without medical training.

Dimensions (E x B x D)	: 214,5 x 280,5 x 99,4
Weight (including battery)	: 2,5 kg
Power	: 12V 7.200mAh LiMnO ₂ (standard) 12V 9.600mAh LiMnO ₂ (optional)
Device Class (MDR 2017/745)	: Class III
Design Standard	: IEC 60601-1, EN 60601-1-2, IEC 60601-2-4, ERC, ILCOR 2015, EN 60601-2-27, EN 60601-1-11
Operating Temperature	: 0°C - 50°C
Storage Temperature	: Between -30°C and +70°C
Humidity	: 10% - 95% relative humidity
Leak-proof	: IP-55
Operating Mode	: Semi-automatic / fully automatic
Waveform	: Truncated biphasic waveform
Energy Steps	: Adult: 200J, pediatric: 50J
Charging Time (New, Fully Charged Battery)	: < 7 seconds
ECG Analysis Time	: < 7 seconds
Impedance Measurement	: 25-300 Ohm
ECG Bandwidth	: 2-25 Hz
LCD Screen Size (Screen-Equipped Model)	: 4.3 inches

Data Logging	: Capability to record ECG signals and ambient sound for a min. of 20 hours
Battery Capacity	: Standard: 5 years / 200j / 200 shocks or 20 hours of monitoring Optional: 7 years / 200j / 280 shocks or 28 hours of monitoring
Periodic Self-Test	: 10 seconds / 24 hours / 6 months
Manual Testing Feature	: Available
Pediatric Pad	: Optional
CPR Support	: Available - metronome
Pacemaker Detection	: Not available
Technical Support Software	: User-friendly interface design Easy case report preparation ECG Automatic Marking ECG and ambient sound recording Dynamic screen resolution Device software/settings update
Support for Multiple Languages	: Available
Maintenance and Service Support	: Available
Diagnosis and Treatment Support	: Available
Warranty	: 5 Years

Required Locations and Application Schedule in Türkiye

Places that must be located by the end of **2026**



Airports and passenger aircraft



Large sports facilities and stadiums



Fitness centers larger than 800 m²



City squares in metropolitan areas



Shopping centers larger than 5.000 m²



City terminals with a population of 100.000+



Workplaces with 500+ employees



Facilities w/500+ beds and KYK dormitories



Trains, railways, and stations



Ships carrying 100+ passengers



Events with 1000+ attendees



Universities

Places that must be located by the end of **2027**



Facilities w/100+ beds and KYK dormitories



Workplaces with 200+ employees



Worship spaces 10.000+ m²



TOHM and SEM Sports Centers



Sports facilities and stadiums covering 5.000 m²

Places that must be located by the end of **2028**



Gas stations



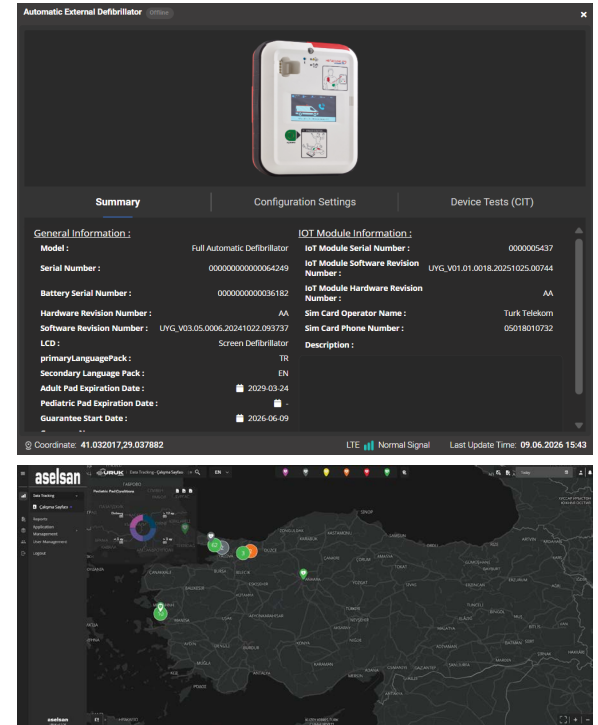
Workplaces with 100+ employees

Smart Tracking and Remote Monitoring with the IoT Module

Heartline OED devices allow for remote monitoring of the device's location, connection status, battery level, and self-test results thanks to their integrated IoT module. This allows you to monitor whether devices are ready for use at all times and manage maintenance processes more effectively. This tracking system is also provided upon request by users.

IoT Module Features:

- Real-time device location tracking
- Battery level monitoring
- Remote tracking of self-test results
- Transmission of device status to central systems
- Easy device management for multi-location organizations
- Efficiency in control and operational processes



For More Information and Ordering Processes:

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