

Philips ePatch

Wearable ECG and AI that analyses continuously for signs of irregular heartbeats and flags suspicious patterns

What it is

The Philips ePatch is a light, discreet sensor worn on the chest that records every heartbeat for up to two weeks. After the recording, the data is uploaded for analysis by Cardiologists, Philips' cloud-based artificial intelligence system that detects abnormal rhythms such as atrial fibrillation.



The need it addresses

Many heart rhythm problems come and go, so they can be hard to catch with traditional 24-hour monitors. Reviewing all that data manually also takes days of specialist time. With longer recording and AI analysis, doctors can find hidden rhythm issues sooner and give patients faster feedback.

How it works

The patient wears ePatch during normal daily activities, work, sleep, even showering. When monitoring is complete, the ECG data is uploaded securely. The Cardiologs AI scans every beat, marks anything irregular, and prepares a report that doctors can quickly review and confirm.

What AI does

- Analyses continuous ECG data for signs of irregular heartbeats.
- Flags suspicious patterns such as atrial fibrillation.
- Reduces the review time for clinicians by nearly half.
- Makes large-scale screening programmes more practical.

Who it's for and key benefits

- **For cardiologists:** faster, clearer rhythm reports.
- **For patients:** comfortable long-term monitoring and quicker answers.
- **For hospitals:** better use of staff time and more diagnoses per week.

Sources (Philips)

- [ePatch, product page](#)
- [Article: Dutch introduction of ePatch + Cardiologs AI](#)
- [Article: extended ECG monitoring can improve diagnostic results](#)
- [Article: ePatch used in recent AF research \(Netherlands, 4Days Marches\)](#)

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The Philips logo, consisting of the word "PHILIPS" in a bold, blue, sans-serif font.