Product Datasheet

Ellie Watch

Evolving Care Experience

by **ellie** care

¿What is it?

The **Ellie Watch** is the most modern and precise assistive device on the market, specifically designed to meet the needs and requirements of the new **Telecare for senior adults and people with special needs**, enabling families to provide a more preventive, shared, and personalized care experience to their loved ones.

It includes:

- An **SOS button** that can be activated in up to three ways: from the FaceWatch (main screen), from the external physical button, or from the Tile by swiping the screen
- A **fall detector with Machine Learning** that adjusts to each person's movement patterns (personalization) and enables automatic fall detection
- **High-precision sensors** (BioActive, powered by Samsung) that allow monitoring vital signs and setting up alerts in case of unusual behavior
- **Motion sensors** that allow monitoring the person's physical activity
- **Precision GPS** to identify the watch's location
- A **socialization level monitoring** system that allows the early detection of loneliness in senior adults

¿Who is this for?

The Ellie Watch PRO is designed for use by senior adults, people with fragility or dependency, lone workers, and people of any age who need remote monitoring and rapid assistance if necessary.

¿How does it work?

The user journey begins with the user (or a family member) receiving the Ellie Watch PRO. All they have to do is turn it on and place it on either wrist. The service will be active from that moment on, with **no setup required.**

If an event occurs (e.g., activation of the SOS button, fall detection, unusual vital signs, etc.), **the device automatically triggers a call to a 24x7 monitoring center**, informing the operator of the type of event, the location of the user, and personal and contact information so they can manage assistance and inform the family.

The senior adult doesn't have to answer or make the call, as everything happens automatically.

And if the call made by the watch is interrupted, our system will automatically call the watch back, which will automatically answer after 5 seconds. This allows the operator to listen to what's happening at the scene of the event, even if the person has fainted.

Relevant features of the Ellie Watch

- **It does not require the user to have a cell phone**
- It is a **stylish, non-stigmatizing** watch
- Its user interface is simple and **senior-friendly**
- The watch allows **monitoring both inside and outside the home**
- It **is comfortable to sleep with**
- It has an average **battery life of between 24 and 34 hours,** with a **40-minute charge**
- It has a **lifespan of 8 years**
- It is **waterproof up to 50 meters**.
- It allows the incorporation of new functionalities and variables measured remotely without changing the hardware, and with **transparent updates for the user**
- It allows the incorporation of new **predictive algorithms and personalized alerts** through machine learning

> **We provide peace of mind to users and their families**
> **with the most sophisticated care device**

Details of the main functionalities

SOS button with multiple activation methods

The watch has three types of SOS buttons, of which the user can choose one or all three depending on their convenience:

- **A physical button**, located in the upper right corner of the screen.
- A **digital button**, located on the main screen of the watch.
- **A larger digital button** (Tile), located by sliding the main screen to the left.

When the user activates the SOS button and the alert is issued, they can cancel it by tapping the screen within 10 seconds of activation.

Personalized Fall Detector

The watch has a **smart fall detector, based on machine learning**, that can detect potential falls by learning from the individual and from the case history obtained from our entire user base. This way, **each person has their own unique fall detector**.

When a fall alert is triggered, the user can cancel it by tapping the screen within 10 seconds of activation.

Watch and usage information

The watch periodically provides **information that allows you to track the watch and its usage**:

- Watch on or off
- Watch on or off the wrist
- Watch connected or disconnected from Wi-Fi
- Watch connected or not connected to the charging base
- Battery level
- LTE signal quality

Vital sign-related events

- Heart rate out of range

Identification of a potential isolation situation

- User **socialization level scoring**
- Time in and out of the home

eSIM connectivity adjusted to the user's location

- One super eSIM with multiple connectivity partners coverage around the world

Possible Configurations

- Low battery warning level
- Maximum and minimum heart rate thresholds
- Fall sensitivity

User Customization

- It's possible to customize the watch's navigation for each user: they can see just one screen, or multiple Tiles (for example, Tiles that show sleep quality, blood pressure, etc.).
- It's possible to develop ad-hoc Tiles for user groups (e.g., gender-based violence, workers, etc.).

On-demand and historical monitoring

- On-demand location
- Heart rate history
- Battery level history
- Event activation history (SOS button, falls, heart rate, etc.)

What do our users, and their families say? [1]

- **93%** of users (seniors) are **satisfied**
- **78%** of users feel **more secure and independent**
- **86%** of families perceive that their **seniors are happier**
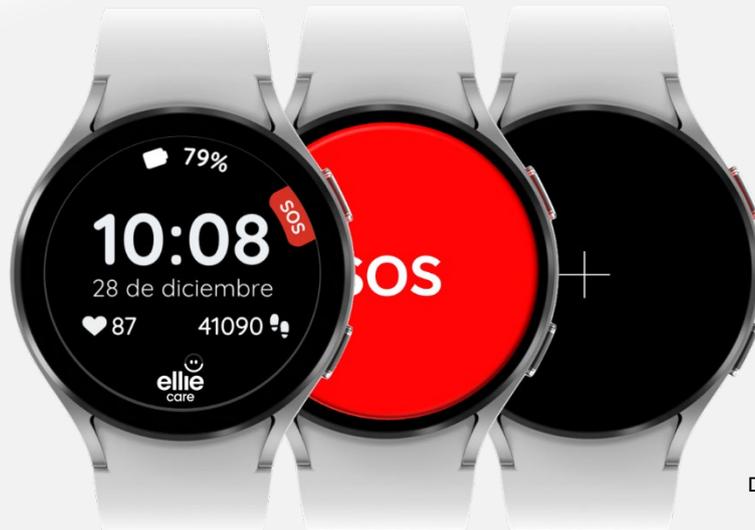- **85%** of families perceive that their family members are **more independent**

(1) Survey conducted by Zurich after the 4-month pilot developed in 100 families between December '24 and April '25.

Technical specifications

- **Model:** Samsung Galaxy Watch 7 or 8
- **Operating System**: Wear OS
- **Screen** Super AMOLED
- **Size:** 40 mm x 9.7 mm, o 44 mm x 10 mm
- **Weight:** 29g-32g
- **Durability**: IP68 + submergible 50m/5ATM
- **Connectivity:**
  - **Wi-Fi:** 802.11a/b/g/n 2.4GHz+5GHz
  - **LTE**: 3G WCDMA, 4G LTE FDD, 4G LTE TDD
  - **SIM**: Embedded (e-SIM)

- **Localization:** GPS, Glonass, Beidou, Galileo
- **Processor:** Exynos W1000 (3nm)

- **Battery:** 300 mAh, non-removable
  Performance:
  - LTE pure, good signal: < 30 hours
  - LTE pure, medium signal: 22-30 hours
  - LTE pure, bad signal: 18-22 hours
  References:
  - Bad signal: dbm > -95 dbm
  - Good signal: dbm < -95 dbm

Ellie Watch

Designed by **SAMSUNG**

Powered by ellie care

ellie care

Welcome to the new care experience