CidaGuard in my everyday life

Digital inclusion and routine monitoring for people who live alone or in long-term care.

I receive information

Large-screen kiosk, phone, tablet, printer, Alexa, smartwatch, and IoT display.

Photos, messages, videos, quizzes, and weather

My routine generates signals

Presence and sound sensors at home, plus sensors on my phone and watch.

Routine monitoring



Older adult

I interact in my own way

Touch, Xbox controller, RFID/NFC tags, webcam gestures, voice, and IoT buttons.

Navigation, feedback, and quick messages

AI helps me through the day

Creates content, recognizes gestures and speech, classifies sounds, and summarizes my routine.

Support assistant for my family

CidaGuard Admin
My family sends content and gets alerts and summaries.

CidaGuard Cloud
Connects apps, devices, and AI services.

How information reaches me

My family sends content through CidaGuard Admin. Each device presents what it can support.

CidaGuard Admin
Updates from my family

Photos · **Messages** · **Videos** · **Quizzes**

I also receive
Weather forecast

01 On screens

Kiosk
PC web app, with or without touch

Phone and tablet
Photos, messages, videos, and quizzes

IoT display
Alerts and short messages

02 On paper

Thermal printer
Printed notes and messages

A note to keep

“Good morning, Mom!”
A message from the family

03 Through Alexa

Echo Show
Content on screen or by audio

Echo Dot
Sound and light alerts

04 As alerts

Smartwatch
Notifications on my wrist

Kiosk and IoT
Sound and light alerts

✓ **Channels and formats depend on the device and the features enabled.**

How I navigate and respond

I choose the way I feel most comfortable switching screens, responding, or letting someone know.

WAYS TO INTERACT

Xbox controller
I navigate and select on the kiosk.

Touch
I use a phone, tablet, or kiosk with a touch screen.

RFID/NFC tags
I hold a colored tag near the kiosk reader.

Gestures
I make a gesture the kiosk webcam can recognize.

Voice at the kiosk
I give a voice command to navigate or send a message.

Alexa skill
I use my voice with Alexa or tap the Echo Show screen.

IoT device
I use touch or physical buttons.

One tag, one action
A tag can open a screen or send an alert.

For example, the orange tag sends “Call me.”

WHAT I CAN DO

Browse screens
Open an album or read messages.

Respond and give feedback
Choose Yes/No or answer a quiz.

Let someone know
Send a preset notification.

“I’m OK” **“Call me”** **“Going to bed”**

✓ **Example of feedback on screen: the quiz shows if I got it right and confirms my answer.**

How my routine is monitored

CidaGuard brings together signals from my surroundings, devices, and interactions.

Presence and sounds at home



Presence by room **Sound events**

Example of sensor placement.

Signals from phones, watches, and apps

Phone

Accelerometer, compass, GPS, light, and proximity, depending on the device.

Smartwatch app

Activity signals and other available data, depending on the model and permissions.

Interactions with CidaGuard

“I’m OK” confirmations, use of screens, and requests for a call.

Enabled signals → Sensors and interactions

CidaGuard Cloud → Organizes events

Summary or alert → Based on configured rules

Family or care team → Follows the routine

Where AI helps

AI helps personalize what I receive, gives me more ways to interact, and supports the people who care for me.

Messages and images

Generative AI creates personalized content for my day.

CONTENT

Daily summary

AI brings together my daily activities and sends a summary to my family.

FAMILY

Gesture recognition

The webcam captures gestures for navigation or sending messages.

INTERACTION

Voice and read-aloud

Turns speech into commands (STT) and reads messages aloud (TTS).

INTERACTION

Sound classification

Recognizes and classifies sound events in the environment.

MONITORING

Family support assistant

A conversational assistant helps set up, configure, and use CidaGuard.

SUPPORT