Indicare: The Wearable Personal Safety Wristwatch

A stylish wristwatch for Elder Care, Independent Living, Dementia & Lone Working.

- **Automatic fall detection**
- **SOS Button**
- **Mobile phone in an analog wristwatch**
- **Beacon sensitive**
- **Locates Users both outdoors <u>& indoors</u>!**
- **Long battery life**
- **Automatic location and battery alarms**
- **Out of bounds alerts**
- **No movement alarm**
- **Tailormade configurations**
- **Embedded GPS**

The Halo Indicare wristwatch forms part of our tailorable service for the safety of people. Indicare is perfect for everyone from the Independent Living seeking peace-of mind, say, in case of a fall, to dementia or Alzheimer's sufferers. Its rugged design makes it ideal for Lone Workers too.

It's your call! Indicare does as much or as little as you need it to:

If you fall:	Indicare lets our monitoring station know so we can get you help, fast
If you need phone a friend:	Indicare lets you talk to up to 7 contacts on its inbuilt loud speakerphone
If you need urgent help:	Press & hold the crown button to send an SOS to our Monitoring Centre
Contact the wearer:	Up to 7 contacts may phone Indicare and chat with the wearer
Indoor positioning:	Optional beacons allow Indicare to know where it is indoors
GPS positioning:	GPS function allows the User to be located globally *in an emergency*
Eldercare -Activity monitoring:	Flags changes in activity which may be an indication of failing health
Wander prevention:	Be alerted immediately if a dementia sufferer leaves a given location

Indicare is a highly versatile system with too many variables to list. Therefore, we highly recommend discussing your needs with a Halo Group sales professional who can tailor a solution to fit your precise needs.

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Key features are:

• Aestethically pleasing wristwatch with normal hour and minute hands

• 3D-accelerometer, support for wireless sensors, on-board GPS, QUAD band cellular processor

Industry benchmark for footprint and functionality:

Mobile comms	Modem type	Quad band GSM/GPRS/EDGE
	Communication	SMS, FTP, HTTP, TCP, UDP, USSD
GNSS	Receiver type	GPS/GLONASS receiver, SBAS WAAS/EGNOS/MSAS support
	Sensitivity	Acquisition -148 dBm, navigation -162 dBm
	A-GPS	A-GPS assistance (up to 28 days)
Short range comms	BLE	Short range comms BLE Bluetooth Low Energy communication with home and mini beacons
MCU	Processor	ARM Cortex-M3, 512 kbytes (total code memory)
	RAM & flash	64 kbytes (total RAM), 8 Mbytes (total data flash)
Audio	Microphone / speaker	Adjustable gain and volume control
User interface	Wearer profiles	Tracking (dementia), Auto, Easy and Full profiles
	Adjustable UI	Selected profile enables/disables UI features
	Watch	Analog. Two discretely software controllable hands
	Buttons	Crown, emergency call, speed dial and yes/no/up buttons
	LEDs	3 user interface / status LEDs
	Other	Two row OLED display, speaker, vibrator
Charging		Easy to use integrated charging dock in the home beacon
Sensors	Onboard	3D accelerometer, temperature
Battery		Li-ion 500 mAh
Operation time	GSM always on	Typical 2 - 7 days, depending on use profile and conditions
	GSM on when required	Up to 50 days, depending on use profile and conditions
Software features	Data communication	SMS, USSD and GPRS with message buffering on data flash
	Over-the-air updates	Configuration, parameters, safe zone, firmware and boot loader
	Safe zone functionality	Polygon or circle safe zones with validity time attributes
	User initiated phone calls	To alarm call centre and up to 7 speed dial numbers
	Receiving phone calls	Automatically or by user accepted calls, white list access control
	Location alerts	Automatic location alerts for dementia person leaving home beacon

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	Alarms	Home beacon out of range, safe zone breach, battery, no movement, Man down
	Activity statistics	Wearer statistics including duration of very active, active, little movement, at home by area, out of home periods
	Event reports	Periodic status, help request call, home beacon, safe zone, activity statistics, battery status and charging reports, location reports
Temperature range	Operation	Use: -20°C – +60°C, S1 charging 0°C – +45°C
Certifications		RoHS, CE, 99/5/EC
Enclosure	Indicare SX1	Water protected (brief submersion), standard strap, 22 mm interface
Dimensions	Indicare SX1	Diameter 48 mm, thickness 17 mm, weight 65 gr. (normal strap)
Home beacon	Charging	Easy to use charging dock
	Mini beacons	Provide location and statistics information indoors

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