



Care@HomeTM Emergency Pendant



ES700EPA
Smart Emergency Response Device

Operational Description

The EPA is a worn emergency pendant device, based on the CC1350 radio chip that includes a processor and used as the master processor of the board.

The device is powered from a single CR2450 coin battery. The battery feeds the MCU and the EPA system directly (No power supply).

The EPA includes pushbutton for emergency alert, bi-color LED and accelerometer for fall detection. Microphone option is not implemented.

The Antenna parameters are:

Type: Printed on PCB

Gain: -8.2dBi

The pushbutton and/or the accelerometer are used to wake up the unit when a panic button is pushed or a fall detection occurs.

The CC1350 RF transceiver is interface between internal circuit data, and control panel.

Modulation and frequency: 2FSK, 916.5MHz