Care@Home™ C7000 Series

PERS/Social Alarm Central Communications Hub

The Care@Home™ C7000 Series is the central communication gateway for managing and communicating between the system peripherals, the Care@Home™ cloud, the monitoring station, and the end-user applications. It features:

- Prominent **EMERGENCY CALL** button
- Communication channel options:
  - Cellular (2G, 3G and LTE)
  - Ethernet
  - PSTN
- Bluetooth LE for connecting devices
- Two-way audio capability for communications with the monitoring station:
  - High quality, long range voice verification
  - Ultra-sensitive microphone
- Remote management and support capabilities:
  - Automatic software upgrade
  - Programming and configuration
  - Troubleshooting
- Onboard emergency SOS functionality
- General features:
  - Multi language vocal reminders
  - LED indications for system status
  - Pairing button to easily add system peripherals

Care@Home™

Essence Care@Home™ enables families to be confident that their dear ones are cared for, while end-users are able to maintain their independent lifestyle. The award-winning Care@Home™ Multi-Service Platform is an Aging-in-Place product suite that offers seamless home care monitoring indoors and outdoors, allowing independence for seniors and peace of mind to their loved ones. Essence is spearheading a paradigm shift in seniors' Aging in Place experience.

SPECIFICATIONS

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COMMUNICATIONS

- **Maximum RF range:** 800 m (2,625 ft.) – open air
- **Protocols**: proprietary bi-directional radio protocol
- **Frequency and Modulation**: FSK modulation
  - 869.225 MHz (Europe)
  - 868.3 MHz (China)
  - 916.5 MHz (North America, Australia and LATAM)
  - 916.3 MHz (Israel)
- Bluetooth LE 4.0
- **Available communication channels:**
  - 3G/4G (LTE) wireless module:
  - 4G bands: FDD B1, B2, B3, B4, B5, B7, B12, B13, B28
  - 3G bands: B1, B2, B4, B5
  - 2G bands: B2, B3, B5, B8
  - Ethernet
  - PSTN

POWER

- **Input**: 90-240 VAC, 50/60 HZ external AC adapter
- **Backup battery - up to 24 hours of continuous operation**: 3.7 V, 1.4 Ah, li-polymer rechargeable battery

DIMENSIONS

- **Size** (H x W x D): 153 x 153 x 72 mm (6 x 6 x 2.9 in.)
- **Weight**: (including batteries): 560 g (1.23 lbs.)
- **Mounting**: desktop

ENVIRONMENT

- **Storage ambient temperature range**: -20°C – 70°C (-4°F – 158°F)
- **Operating ambient temperature range**: 0°C – 49°C (32°F – 120°F)
- **Operating humidity:** Up to 93% non-condensing

COMPLIANCE Pending

- CE, FCC
- UL 1637
- UL 1635
- EN 50134-2, EN 50134-3, and 50134-5
- EN50136-2:2014 Category C
- CSA C22.2 Number 205
- **PSTN model:**
  - ANSI/TIA-968-B – Terminal equipment standard
- **Cellular model:**
  - AT&T and PTCRB
  - EN910-EUR – Global connection (GCF) requirements, as well as the global system for mobile communications standard EN 301 511

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