



Care@Home™ C7000 Series



ES7502HC

PERS/Social Alarm Central Communications Hub

Product

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.

The Care@Home™ C7000 Series features a prominent on-board **EMERGENCY CALL** button as well as new LTE cellular module.

- Communication channel options:
 - Cellular (3G and LTE)
 - Ethernet
 - PSTN
- 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
- Safety functionality:
 - Onboard emergency SOS functionality
- General features:
 - Multi language vocal reminders
 - LED indications for system status
 - Pairing button to easily add system peripherals

Smart Care

Essence Care@Home™ multi service platform is an Aging-in-Place product suite that offers a seamless health monitoring experience allowing independence for seniors and peace of mind to their loved ones.

Care@Home™ allows service providers the flexibility to offer their customers services ranging from emergency alerting to a professional intelligent home care solution, which constantly learns and adapts to the daily behavior of individuals and provides alerts with different severity levels based on deviation from the daily routine.

The Care@Home multi service platform includes:

- Care@Home PERS + Advanced Emergency Response Alarm
- Care@Home Family Monitoring
- Care@Home Pro Intelligent Home Care Solution



ESUGSC075 Rev. 1.4 For more information, go to: <http://www.essence-grp.com/smart-care>

Specifications

COMMUNICATIONS

- **Maximum RF range:** 1,000 m (3,280 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 and Australia)
 - 916.3 MHz (Israel)
- **Available communication channels:**
 - 3G/4G (LTE) wireless module:
 - 4G bands: FDD B2, B4, B5, B12, B13
 - 3G bands: B2, B5
 - Ethernet
 - PSTN

POWER SUPPLY

- **Input :** 90-240 V_{AC}, 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 battery):** 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

- 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

