

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



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



COMMUNICATIONS

- **Maximum RF range:** 800 m (2,625 ft.) – open air
- **Protocols:** proprietary bi-directional radio protocol
- **Frequency:**
 - 869.225 MHz (Europe)
 - 916.5 MHz (North America, Australia, New Zealand and LATAM)
 - 922.5 MHz (Asia)
 - 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

PART NUMBER: ES7502HC