







e690 / e600

eChat PoC Radio

-  4G/3G/2G and WiFi networks
-  2.0" Color Screen, Digital Keypad (e690)
-  5100mAh Large Capacity Battery
-  Man Down
-  NFC (e690 Optional)
-  IP68



e690



e600



Key Features

e690/e600 is a professional eChat PoC portable radio with rich variety of features. It is equipped with full keypad, large color LCD screen(e690), light weight, long battery life, clear and loud voice, IP68, and it suits for tough and harsh environment. It is applicable for both commercial and professional users who prefer to make communication over 3G/4G/Wi-Fi networks with rich applications.



Professional Industrial Design

Professional radio style, moderate size and weight, easy to carry.



Excellent Audio

Clear and loud voice, professional 36mm speaker, excellent audio encoder, and Multi-MIC noise suppression solution can accurately identify the speaker and hear voice content clearly in noisy environments.



Rich Variety of Features

Supports Bluetooth, Wi-Fi, GPS, NFC(Optional), Camera(e690, Optional), Man Down and Desktop charging, meeting the rich application requirements of professional users.



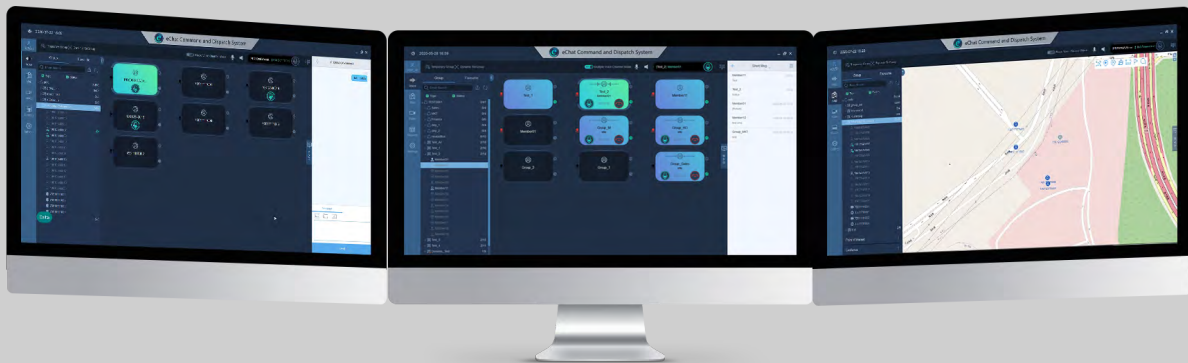
High Reliability and Solid Quality

IP68 protection, suitable for outdoor operation. Shock, vibration, and solar radiation performance are designed in accordance with MIL-STD 810G, and applicable for various tough and harsh environments.



Long Battery Life

Large-capacity Li-ion battery is integrated in the compact size to meet the requirements of long shifts.



Caltta's eChat PoC communication solution consists of eChat server, dispatching console, management console and eChat radios.

GPS

e690/e600 can be real-time positioned or continuously tracked in the eChat dispatching console.

Man Down

Guarantee the user safety when working alone or in dangerous environments.

Geo-fence

Ensure user with e690/e600 radio always work in the designated area as required.

Dynamic Group

Dispatcher can perform zone selection to create a dynamic group, efficiently dispatch radios adjacent to the e690/e600 during emergency.

NFC (Optional)

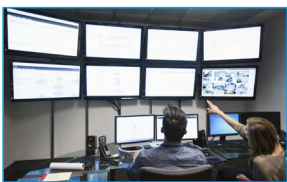
Enhance the application of e690, to realize electronic patrol, identity authentication and other value-added services.

Wi-Fi

In places with weak public network coverage, e690/e600 can use the built-in Wi-Fi to access the eChat system to ensure the continuity of communication.

Application Scenarios

e690/e600 possesses simple design, friendly GUI, large capacity battery, rich services, excellent audio quality, making it deployable in different industries.



Municipality



Port & Airport



Utilities



Security



Logistics



Commercial

Specifications

General	
Network	LTE/WCDMA/GSM
Frequency	LTE TDD: B38/B39/B40/B41 FDD: B1/B3/B5/B7/B8/B20 WCDMA B1/B5/B8 GSM B3/B8
Size (H x W x D)	126.5x54.5x36mm (e690) / 101x54.5x38.5mm (e600)
Weight	About 280g (e690) / About 240g (e600)
Display	2.0" LCD, 240x320 (e690)
Battery	5100mAh
Battery Life	≥20h (5-5-90 working cycle)
Key	PTT, Fn Key × 1, Power, SOS, Volume Knob, Channel Knob, Digital Keypad (e690)
Interface	18 pin (Data / Audio)
Indicator	Red / Green
OS	Deeply Customized Android 8.0 Android 8.1 without GMS as per 20230223
Chipset	Quad A7 Processor
Memory (RAM+ROM)	1GB+8GB (e690) / 512MB+4GB (e600)
Camera (Optional)	Rear Camera: 5M (e690, with Flash)
Bluetooth	BT2.1+EDR/4.0
WLAN	Wi-Fi 802.11b/g/n, 2.4G
NFC (Optional)	Support (e690)
Location	Support GPS/AGPS
Man Down	Support
Voice Assistance	Support
Speaker	36mm Front Speaker
Max Audio Power	2.0W
Card Slot	Nano SIM×1, TF×1
Charging	Desktop Charger

Environmental	
Operating Temperature	-20°C ~ +55°C
Storage Temperature	-30°C ~ +70°C
ESD	IEC 61000-4-2 (level 3) ±6kV (Contact) ±8kV(Air)
Dust and Water Resistance	IP68

Note: All the above specifications are tested in accordance with the applicable standards. Due to the development of technology, some specifications may be modified without notice.

Standard Accessories



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General Disclaimer:
The specifications in this document are in accordance with the applicable standard test. Due to the continuous technology development, Caltta may change the specifications without notice.

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