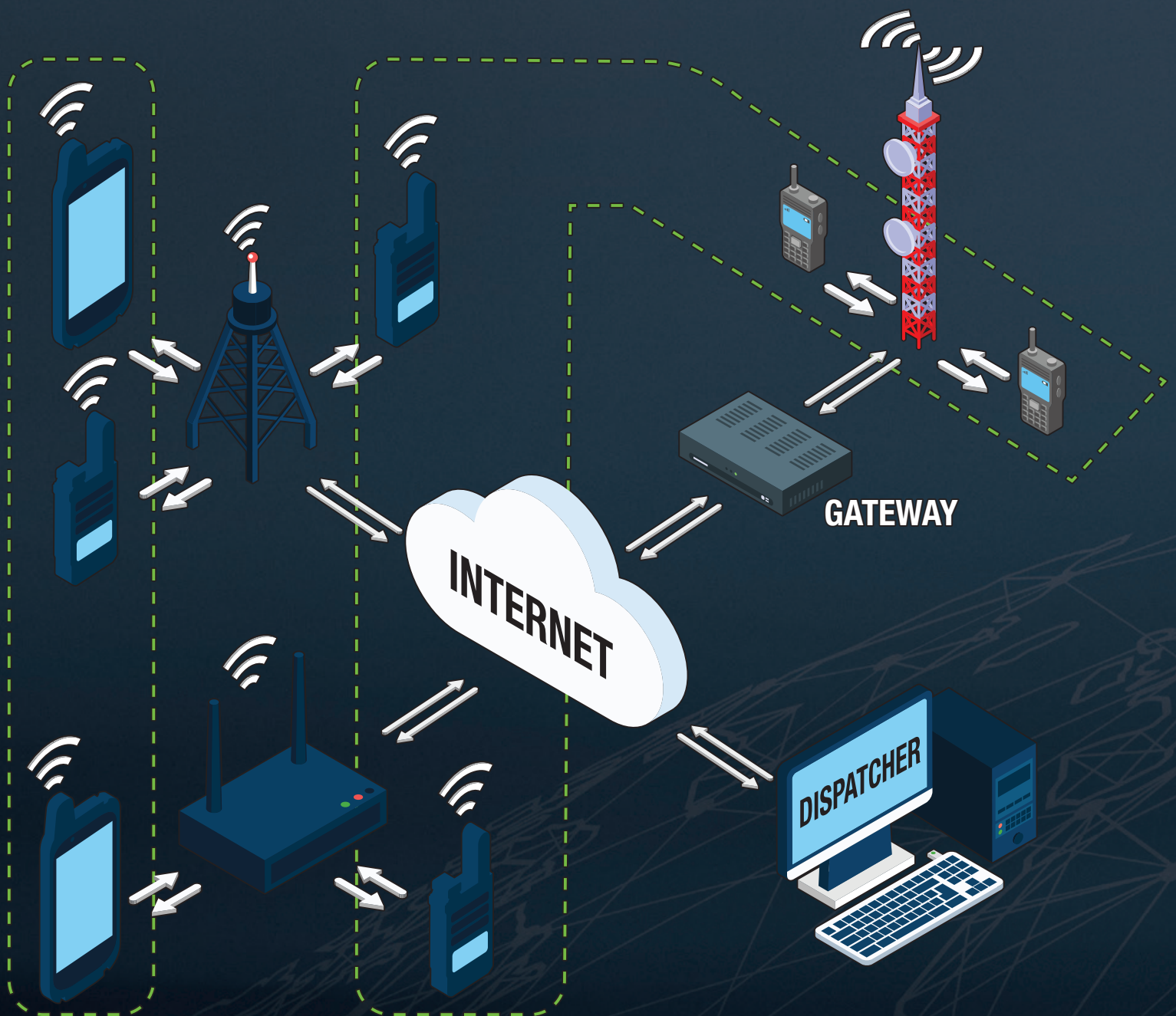


@Chat

POC SERVICE
POWERED BY ANICO

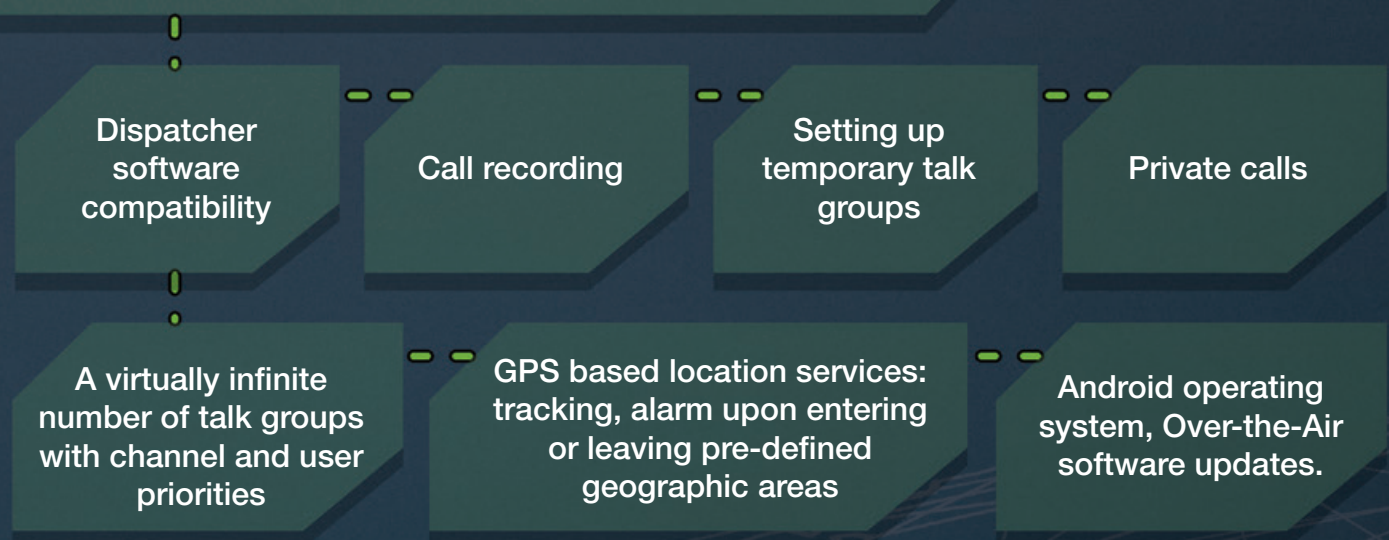
About PoC technology

PoC (Push-to-talk over Cellular) transceivers, just like traditional two-way radios, provide communication for teams (workgroups, channels); however, instead of direct radio contact, these transceivers use the internet to carry the signals. This ensures virtually infinite talking range.



PoC devices: two-way radios and VoIP devices in one

PoC technology combines the benefits of both traditional two-way radio and the internet. It allows us to communicate with complete groups of people, while distances are no longer an obstacle. Besides traditional two-way radio functionality, eChat PoC transceivers also offer a variety of additional digital services, like:



Further features of eChat PoC transceivers:

High capacity battery

Industrial grade protection: high resistance to water, dust and shock.

Network-independence: the transceivers can be used in the whole area of the European Union without roaming charges, or in any country using a local SIM-card.

Wired and Bluetooth accessories.



Anico eChat service

For PoC systems to operate, there is need for a PoC service provider, as server computers are required to route and connect calls in the network.

In the eChat system, this service is provided by Anico Kft. in Hungary. The technology and the terminal devices are developed by Caltta, the two-way radio subsidiary of ZTE, who tailored the software specifically for Anico and its customers.



Advantages of the Anico eChat service



Servers are hosted in the EU and operated by Anico; this ensures broader bandwidth, lower latency, GDPR-compatible data protection.



Customer service available in the English and Hungarian languages



Multilingual menu system on the devices and dispatcher software



eChat dispatcher software running on Windows which makes efficient workflow management much easier



József Dévényi
founding owner of
Anico Kft.

„I have been dealing with radio communications as an amateur radio operator and as a planning engineer of professional radio systems since the 1980s, but even to me, the new potentials offered by internet technology and PoC systems open new horizons.“

Benefits of PoC compared to other technologies

Efficient communication is the key to maintaining an efficient workflow.

Why should you choose eChat PoC transceivers while there are several other options to equip your staff with communication devices, e.g. mobile phones, license-free or licensed, industrial transceivers?




Compared to mobile phones:

- + PTT (push-to-talk) button: there is virtually no connection time; instant communication upon pressing the button
- + Group talk: everybody in the same talk group can hear what you are saying



Compared to license-free transceivers:

- + closed communication; no outsider can eavesdrop or disturb you on your channel
- + virtually infinite range: coverage is limited only by the availability of internet access



Compared to Industrial (licensed) transceivers:

- + Virtually no geographic limit to range; you can even use your transceivers to communicate between distant sites
- + A cost-effective alternative to professional, repeater-based radio networks; lower investment and reduced maintenance costs as there are no planning and frequency usage fees
- + No planning and licensing process, quick system deployment



Anico

Anico Kft. was founded in Hungary in 1991 by owners with engineering and amateur radio background.

OUR FIELDS OF ACTIVITIES:

Amateur radio products, marine and airband transceivers

Professional transceivers for work

Transceiver accessories

Walkie talkies for hobby use

Our partners are leading transceiver manufacturers, such as Motorola Solutions, Yaesu and ZTE.

Through our own local offices, we have customers in several countries in the governmental, oil, gas, iron mining, transportation, police and border guard sectors.

In 2019 we launched our internet-based two-way radio eChat service, built around the cutting edge line of transceivers by Caltta (a subsidiary of ZTE).

A market player for
30
years

Fully owned representative offices in
3
countries

Reseller partners in
20
countries

30 000
products sold yearly

Caltta

Caltta is a subsidiary of the information and telecommunication technology giant ZTE founded in 1985. ZTE/Caltta are active in the field of two-way radio systems since 2003. They currently employ more than 700 people, possess over 300 patent rights. Caltta is continuously developing various radio communication solutions.

Their 2G/3G/4G/5G, DMR and PoC systems and equipment are known for innovation and a high level of reliability. Systems delivered by Caltta have nearly 2 million users in 50 countries of the world.



eChat E350

PoC transceiver

eChat PoC transceivers use the internet to connect to a central eChat server run by our company. This ensures a virtually infinite communication range even across borders, without the need for installing your own repeater stations and paying license fees.

Their compact dimensions and affordable price make eChat e350 transceivers stand out from the competition in their category of PoC radios. IP54 water and dust resistance make it ideal for use in industrial and wet environments. There are no confusing buttons on the main panel, however, a narrow and clearly legible LCD display helps navigation in the menus easy for any user. The high capacity battery is a guarantee that the radio will hold out even on long working days.

Small size
and lightweight

Loud, excellent
sound quality

Long battery life:
4000 mAh battery

Bluetooth and
Wi-Fi compatibility

Easy to use:
LCD display, buttons,
menu in multiple
languages

Traditional and
Bluetooth
accessories

Designed for industrial use:
IP54 dust and
water resistance,
shock resistance



The transceiver can only be used with internet access and subscription to the Anico eChat service.

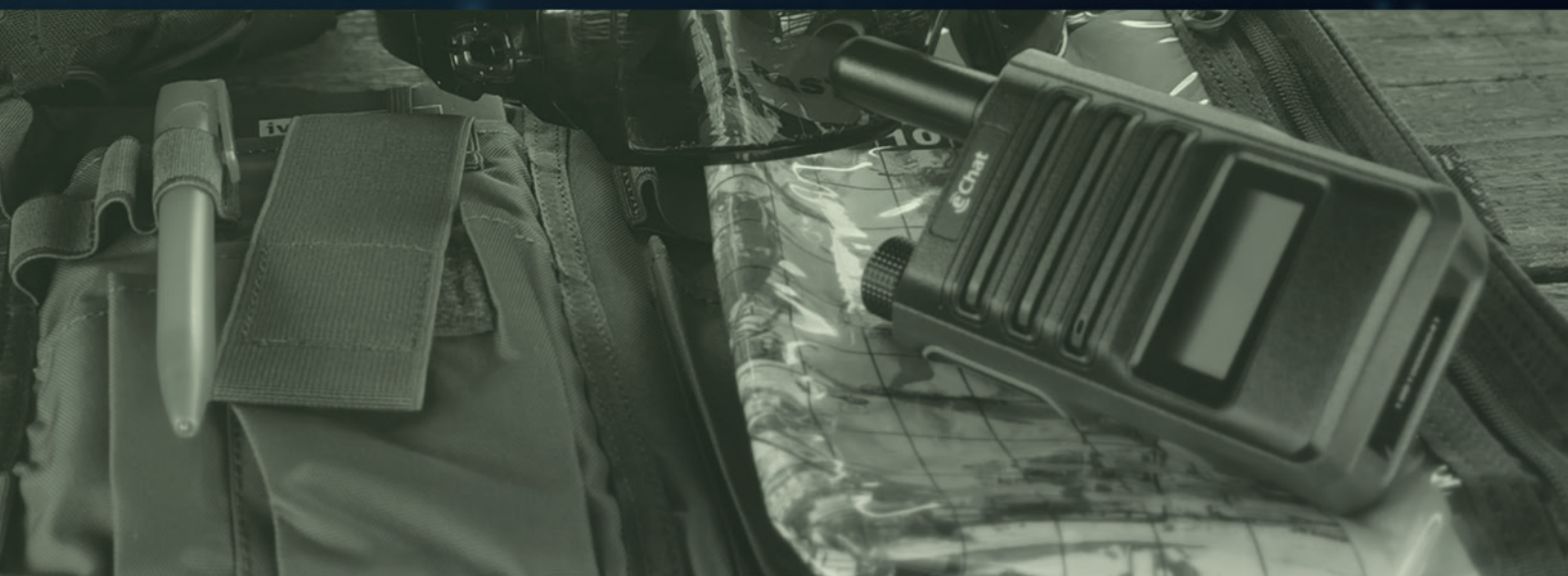
Parameters of eChat E350 PoC transceiver:

Network:	LTE / WCDMA / GSM
Frequency:	TDD: B38 / B39 / B40 / B41 FDD: B1 / B3 / B5 / B7 / B8 / B20 / B28
	WCDMA: B1 / B8
	GSM: B3 / B8
Size:	88 × 54,5 × 29,8 mm (Without Antenna)
Weight:	ca. 200g (With Antenna and Battery)
Display:	1 inch LCD, 128 × 48
Keyboard:	PTT, Fn, Power, SOS, Knob
Battery:	14,8 Wh, 4000 mAh, 3,7 V
Interface:	Type - C USB (USB 2.0 / Headphone)
Protection:	IP54
OS:	Deeply Customized OS Based On Android 7.0
Language of Menu:	Multilingual
Processor:	Quad A53
Memory (RAM3ROM):	512 MB + 4 GB
Card slot:	1 micro SIM
WLAN:	802.11 b/g/n, 2,4 GHz
Location:	GPS / AGPS
Military standard:	MIL-STD-810 G



eChat E350 PoC IP transceiver box contains:

1 pc. eChat PoC transceiver
1 pc. 4000 mAh battery
1 pc. EU adapter
1 pc. USB adapter
1 pc. belt clip



eChat E360

Internet-based PoC Transceiver

The eChat e360 internet-based transceiver is designed to be the ideal choice for most industries: its size and solid grip, the large colour LCD screen, the high-capacity battery and the easy-to-hear sound volume level are features needed for a great variety of jobs.

The transceiver's IP54 protection makes it usable in industrial and humid environments. The menu system is available in several languages and navigation on the high contrast LCD screen is very easy using the tactile multifunction knob on top of the device. The 5100 mAh high-capacity batteries and the desktop docking charger ensure that the power will last long shifts; and should that be still not enough, the transceiver can also be charged from standard USB C-type chargers.*

*USB charger and C-type charging cable are available as optional accessories.



The transceiver can only be used when internet connectivity is available (SIM card or WiFi) and requires a subscription to the Anico eChat service.

Specifications of eChat E360 PoC transceiver:

Network:	Public LTE/WCDMA
Frequency bands:	LTE: B1/B3/B4/B5/B7/B8/B20/B28 WCDMA: B1/4/B5/B8
Dimensions (H×W×D)	115.5 × 54.5 × 34.5 mm
Weight	cca. 250g (with antenna and battery)
Display	2.4 inch colour LCD, 240×320
Keys	PTT, Function×2, On/Off, SOS, multifunction knob
Battery	18.87Wh(5100mAh,3.7V)
Interface	Type-C (Data/Audio/Charging)
Operating system	Deeply customised Android
Chipset	Quad A7 processor
Memory (RAM+ROM)	512MB + 4GB
WLAN	Wi-Fi 802.11b/g/n 2.4G
Bluetooth	BT2.1/4.0
Positioning	GPS/Glonass
Speakers	Front 36mm Speaker
SIM-card slo	NANO SIM×1
Charging	Desktop charger / USB Type-C (optional)



Environment:

Operating temperature	-20°C ~ +55°C
Storage temperature	-30°C ~ +70°C
ESD	IEC 61000-4-2 (level 3) ±4kV (Contact)±8kV (Air)
Dust and Water Proof	IP54



eChat E600

PoC transceiver



The eChat e600 internet-based transceiver by Caltta is a reliable companion in most workplaces. Waterproof (IP68), with high volume, clear sound, large capacity battery (5100 mAh (18.25 Wh)), supplied with a docking charger. The E600 transceiver is rugged, comfortable to hold and easy to use, designed based on the needs and feedback of business users

This non-display device is also perfect for use in a fleet comprising of other eChat devices, can be assigned to up to 16 speech groups (channels) and of course, the location of these devices can be tracked using the eChat management and dispatch software.



Long battery life:
5100 mAh battery

IP68 dust-, water- and
shock resistance

Robust,
handy design

Rugged,
non-display model

Excellent
sound quality

Bluetooth and
Wi-Fi compatibility

Convenient charging
with docking cradle



The transceiver can only be used with internet access and subscription to the Anico eChat service.

Parameters of eChat E600 PoC transceiver:

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:	100×54.5×37.5mm
Weight:	approx. 240g
Display:	no
Battery:	5100 mAh
Battery life:	Min. 20h (5-5-90 cycle)
Control panels:	PTT, Function Key × 1, Power, SOS, Volume Knob, Channel Knob
Interface:	18 pin data & audio
Indicator:	red/green
Operation system:	Deeply Customized Android
Chipset:	Quad A7 processor
Memory (RAM+ROM):	512MB+4GB
Bluetooth:	BT2.1+EDR/4.0
WLAN:	Wi-Fi 802.11b/g/n, 2.4G
Location:	GPS/AGPS
Man Down function:	support
Voice assistance:	support
Speaker:	36mm front speaker
Max audio power:	2 W
Card slot:	Nano SIM×1, TF×1
Charging:	Desktop charger

ENVIRONMENTAL DATA:

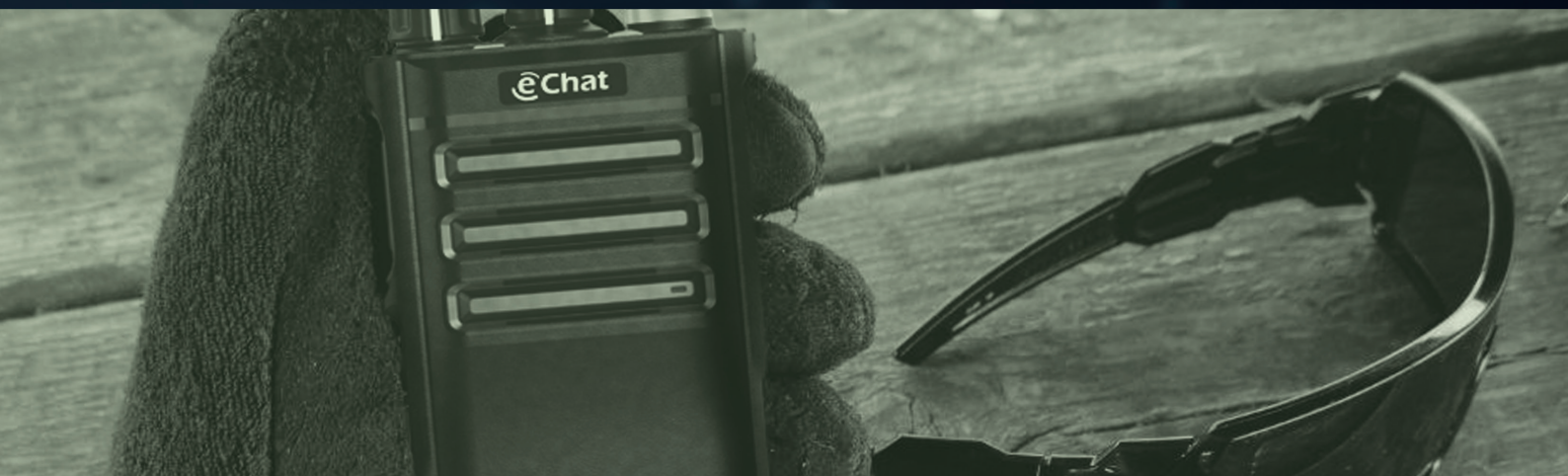
Operating temperature:	-20°C ~ +55°C
Storage temperature:	30°C ~ +70°C
ESD:	IEC 61000-4-2 (level 3) ±6kV (Contact) ±8kV (Air)
Dust and water resistance:	IP68

The above data have been measured in accordance with the relevant standards. During technological development, certain specifications are subject to change without notice.



eChat E600 PoC IP transceiver box contains:

- 1 pc. eChat PoC transceiver
- 1 pc. 5100 mAh LI-ION battery pack
- 1 pc. desktop charger
- 1 pc. EU charger adapter
- 1 pc. belt clip
- 1 pc. connector cover for water resistance



eChat E700

PoC transceiver

E700 is a professional internet based (PoC) transceiver designed to provide the perfect tool for efficient communication and workflow management.

The large LCD screen helps handling the functions provided by Android OS; this touchscreen allows you to overview the geographic location of your team-members, and we can record the conversations taking place in the talk group. The device handles two SIM cards, which allows the e700 transceiver to be used as a robust, industrial mobile phone. Its curved shape, IP54 protection and its impact -and wear-resistant body makes this transceiver the ideal choice for use in virtually any industrial environment.

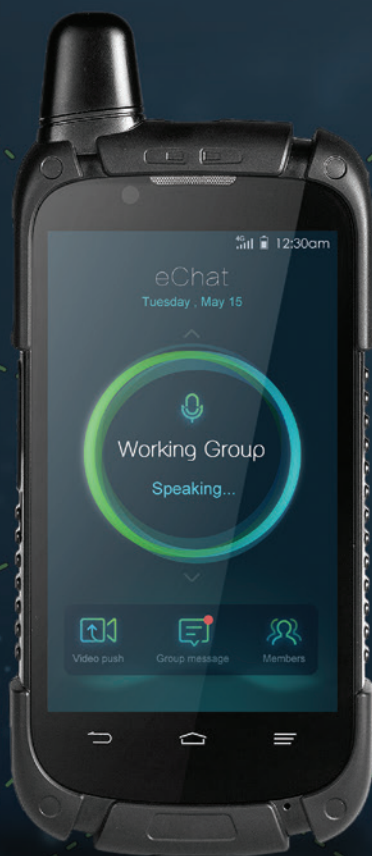
Large LCD touch screen

Clear sound, excellent voice quality

2 + 16 GB Memory

GPS / Glonass / AGPS

Voice recording



Android 7.0 Operating System

Long operating time: high capacity 4000 mAh battery

13MP Rear and 5MP Front Camera

Wired and wireless accessories

Industrial design: IP54 dust and water resistance, impact resistance

Dual SIM – can also be used as a mobile phone



The device can only be used with Internet connection (by SIM card or Wi-Fi) and Anico eChat service.

eChat E700 PoC transceiver parameters:

Network:	LTE / WCDMA / GSM / TD - SCDMA / CDMA
Frequency:	LTE: TDD B38 / B39 / B40 / B41; FDD B1 / B3 / B20 / B28
	WCDMA: B1 / B8
	GSM: B3 / B8
	TD-SCDMA: B34 / B39
	CDMA: BC0
Size:	136 × 66 × 20,5 mm (Without Antenna)
Weight:	< 250 g (With Antenna and Battery)
Display:	4.0" LCD 800×480
Keyboard:	PTT, Power, Volumex2, SOS
Battery:	14,8 Wh, 4000 mAh, 3,7 V
Interface:	Micro USB connector, 3.5 mm Audio Jack
Protection:	IP54
OS:	Android 7.0
Menu languages:	Multilingual
Chipset:	Quad A53
Memory:	2 GB RAM +16 GB ROM
External Memory:	Support TF, up to 128 G
Card:	2 SIM + 1 SD card
Camera:	Rear: 13 MP, with flash, AF, CMOS; Front: 5 MP, CMOS
Bluetooth:	BT 2.1 + EDR / 4.0
WLAN:	WiFi 802.11 b/g/n, 2.4 GHz; Support WiFi
Location:	GPS / Glonass / AGPS
Military standard:	MIL-STD-810 G



eChat E700 PoC IP transceiver standard package contains:

- 1 pc. E700 PoC transceiver
- 1 pc. Battery (4000 mAh)
- 1 pc. EU plug power Adapter
- 1 pc. USB Cable



eChat Control and Dispatcher System

work organization easily on computer

The eChat Control and Dispatcher System software is the right tool for efficient, state-of-the-art job management. The software, which is available for PCs running the Windows® operating system, allows you to conveniently overview and handle all the most important services of the Anico eChat communication platform on a single, easy-to-handle user interface:

you can easily handle talk groups, record conversations and send messages, coordinate the workflow of the team and monitor the geographic location of co-workers using GPS-based location tracking.



Voice calls direct from your PC

Dispatchers can reach all co-workers, initiate or respond to calls in multiple talk groups, and they can even have individual, full-duplex voice conversations with any team member using the microphone of the computer. The dispatcher is enabled to simultaneously monitor all talk groups and see which users are listening in which group.

Handling talk groups

Using the eChat Control and Dispatcher System software all talk groups are available for making calls or monitoring. The dispatcher can create temporary groups and rearrange the users in the talk groups as needed.

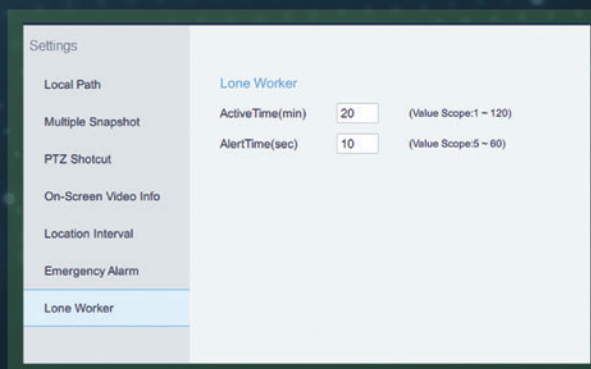
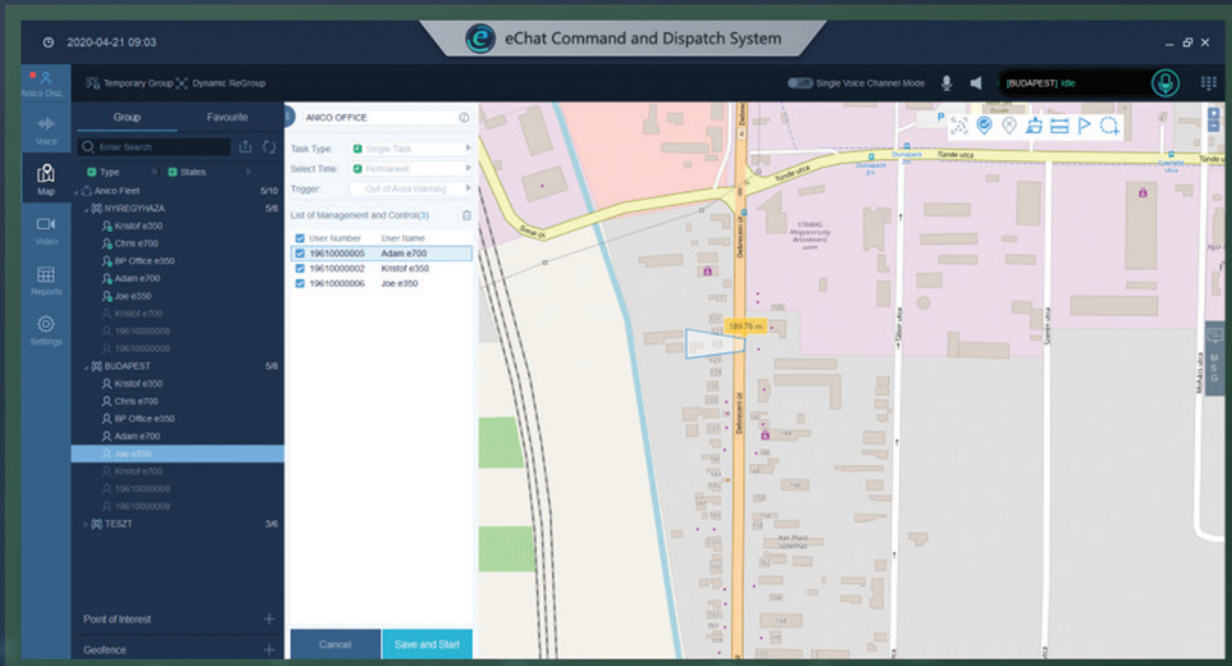
Text messages

The dispatcher can send short text messages to any user of the system.

Geographic positioning, tracking and alerts

The dispatcher can check the **geographic whereabouts** of co-workers at any given time and can also check history: what route a user has covered. This is especially important for security service or transportation companies.

Geo-fencing functions are available in the software to trigger automatic alerts when users enter or leave a certain area.



Security functions

When a user presses the orange **alarm button** of the transceiver, the dispatcher immediately gets an alert.

The **lone worker function** is designed for the security of colleagues working alone. These co-workers need to check in at regular intervals. If a compulsory check-in is missed, the dispatcher gets an automatic alert and can try to get in touch with the user or send somebody to his last known location.

Voice recording

The dispatcher software has an inbuilt voice recorder that allows recording conversations taking place in the various talk groups. The locally stored audio files can be searched from the console's database and replayed any time.

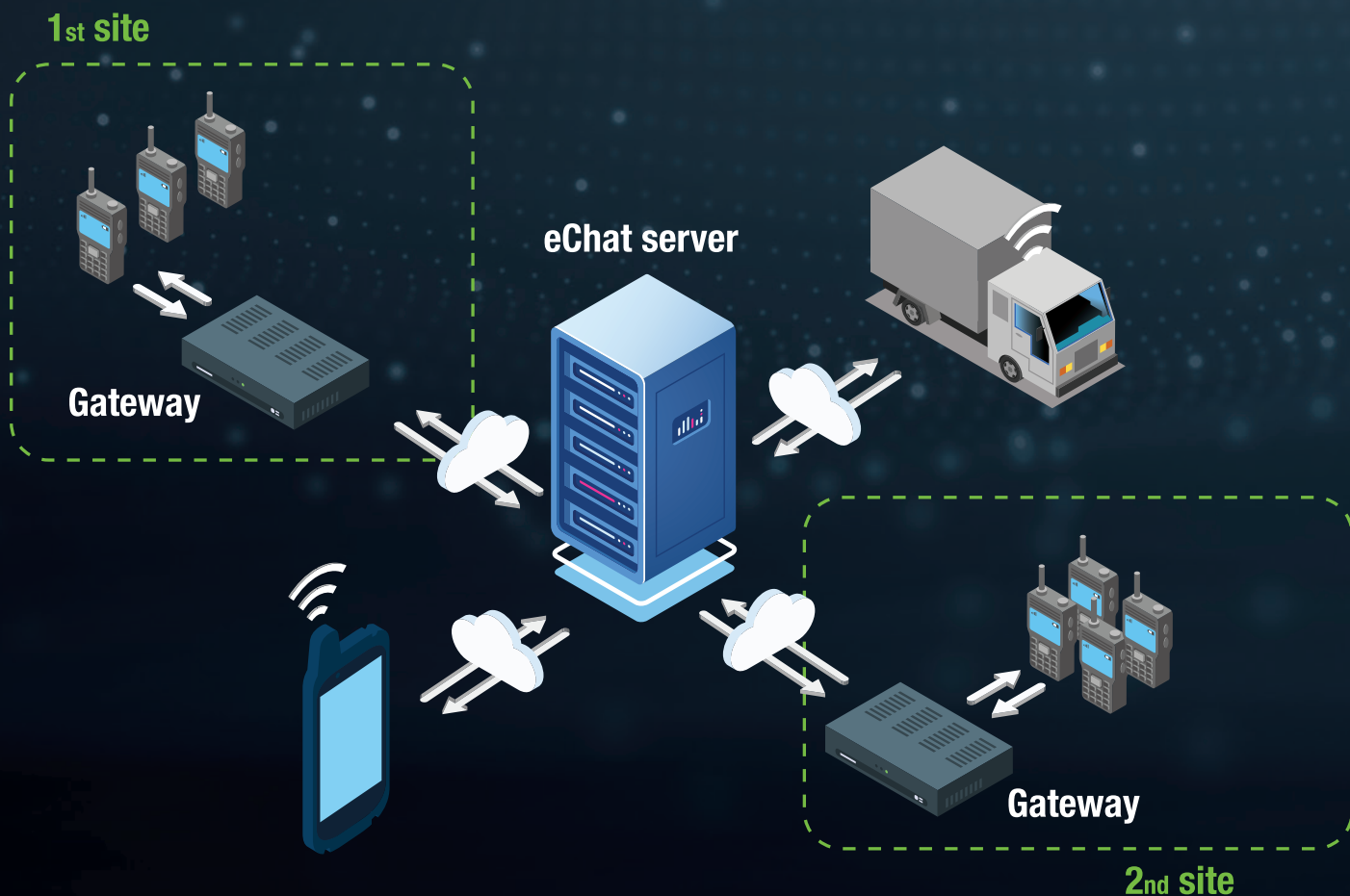
eChat Gateway

Use your traditional two-way transceivers and internet-based eChat PoC devices in one common system!

Deployment of internet-based transceivers does not necessarily mean you need to replace all your existing traditional two-way radios. Our **eChat Gateway** solution allows you to connect the radio channels of your existing radios with the talk groups of the new, internet-based eChat system. All traffic taking place on the associated channels can be heard on the radios using the other technology.

Each **eChat Gateway** is capable to connect one radio channel (simplex or repeater) to an eChat talk group. The microprocessor-driven circuitry of the gateway takes care of handling automatic TX/RX switching and audio frequency level matching between the two systems, and it also supervises the operation of the interconnection (watchdog).

The **eChat Gateway** and the transceivers connected to it are best installed in a location where your radio repeater has solid coverage, or in case of a simplex radio network, where most of your transceivers can be reached in the best quality. Connection to the eChat system requires a SIM card with broadband mobile internet connection or Wi-Fi access.



Connect your sites!

If you have local radio systems operating at multiple sites, you can connect them through the internet using eChat Gateway stations.



Optimise your cashflow: reduce your upfront investment by scheduling your expenses!

Would you like to change to the state-of-the-art eChat system but you don't want to replace all your existing two-way radios all at the same time? **eChat Gateway** makes this easy: you can replace your existing transceivers in several smaller batches at a pace that best suits your company.



Increase your communication range in a cost-efficient way!

If not all your colleagues need the advanced services and unsurpassable talking range of the eChat system, you can operate a mixed network to optimise the costs of range expansion.

In case your colleagues mainly use two-way radios at one given site, but they sometimes need to keep in contact with those colleagues who work at a remote location, then it might suffice to equip those colleagues with eChat devices who work off-site.



www.anico-hamshop.eu

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