



ATC700

Mini asset tracker with 4G LTE Cat 1 connectivity



Asset tracking



Workforce
monitoring



Livestock and
pets
monitoring

TRACK, CHARGE, REPEAT

The device comes with a 1,000 mAh rechargeable battery to provide reliable power and uninterrupted tracking

BACK-UP POWER SUPPORT

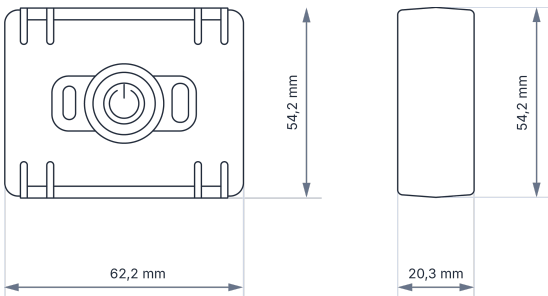
Compatibility with power banks ensures device operation during prolonged activities or in remote locations

VARIOUS BUTTON USAGE OPTIONS

A multi-action button can be used for different scenarios, such as to activate tracking or act as a panic button

RELIABLE OPERATION, EFFORTLESS INSTALLATION

Protection in extreme weather conditions and fast device set-up without any wires



Product

Name **ATC700-QJAE0**
ATC700-QKAE0

Module

Name **ATC700-QJAE0: EG915U-EU**
ATC700-QKAE0: EG915U-LA

Technology LTE CAT 1/GSM/GPRS/GNSS

GNSS

GNSS GPS, GLONASS, GALILEO, BEIDOU

Receiver 135 tracking/acquisition channels

Tracking sensitivity -165 dBm

Position Accuracy < 1.8 m CEP

Warm start < 25 s

Hot start < 1 s

Cellular

Technology LTE CAT 1/GSM

2G bands **ATC700-QJAE0: GSM: B2/B3/B5/B8**
ATC700-QKAE0: GSM: B2/B3/B5/B8

4G LTE bands **ATC700-QJAE0: LTE FDD: B1/B3/B5/B7/B8/B20/B28**
ATC700-QKAE0: LTE FDD: B2/B3/B4/B5/B7/B8/B28/B66

Data transfer LTE FDD (CAT 1): Max. 10 Mbps (DL) / Max. 5 Mbps (UL)
GSM (GPRS): Max. 85.6 Kbps (DL) / Max. 85.6 Kbps (UL)

Transmit power Class 4 for GSM850/900: 33±4dBm
Class 1 for GSM1800/1900: 30±2dBm
Class 3 for LTE-FDD: 23±2dBm

Data support SMS (TEXT, PDU), Network protocols (TCP, UDP)

Data codec

Codec support Codec 8 Extended

Power

Internal battery 1000 mAh Li-Po battery, 3.7V (3.7Wh)

Physical specification

Dimensions	62.2 x 54.2 x 20.3 mm (L x W x H)
Weight	71 g

Operating environment

Operating temperature	-20 °C to +60 °C
Storage temperature (with battery)	-10 °C to +25 °C for 1 month 0 °C to +25 °C for longer than 3 months
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP65* *(internally tested, not certified). IP68 - in development.
Battery charge temperature	0°C to +45°C
Battery discharge temperature	-20°C to +60°C
Battery storage conditions	-10 °C to +50 °C for 1 month -10 °C to +35 °C for 3 months 0 °C to +30 °C for 1 year

Interface

GNSS antenna	Internal High Gain
Cellular antenna	Internal High Gain
USB	2.0 USB Type-C
LED indication	1 status RGB LED light
SIM	Nano-SIM
Memory	128MB internal flash memory

Features

Scenarios	Movement-based tracking, Periodic tracking, Scheduler, Alarm button, Power bank support, Configurable LED indication
Sensors	Accelerometer
Sleep modes	Online sleep, Power off sleep
Configuration and firmware update	FOTA WEB, Teltonika Configuration Tool (TCT)
SMS	Configuration, Debug
GPRS commands	Configuration, Debug
Time Synchronization	GNSS, NITZ, NTP

Certification & approvals

Regulatory

CE RED, UKCA, E-Mark, RCM