



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

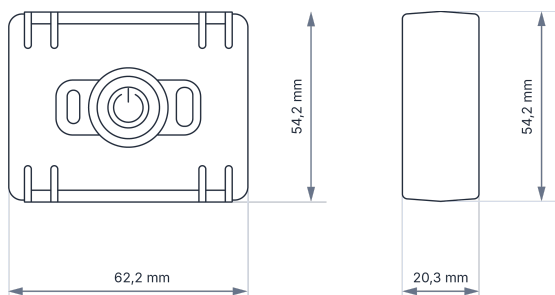
Compatibility with power banks ensures device operation during prolonged activities or in remote locations

VARIOUS BUTTON USAGE OPTIONS

A multi-action button can be set to activate tracking, act as a panic button, or switch between tracking intervals

EFFORTLESS INSTALLATION, RELIABLE OPERATION

Fast device set-up without any wires and protection in extreme weather conditions with the IP68-rated casing



Product

Name	ATC700-QJAE0 ATC700-QKAE0
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Module

Name	ATC700-QJAE0: EG915U-EU ATC700-QKAE0: EG915U-LA
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Technology	LTE CAT 1/GSM/GPRS/GNSS
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GNSS

GNSS	GPS, GLONASS, GALILEO, BEIDOU
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Receiver	135 tracking/acquisition channels
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Tracking sensitivity	-165 dBm
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Position Accuracy	< 1.8 m CEP
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Warm start	< 25 s
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Hot start	< 1 s
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Cellular

Technology	LTE CAT 1/GSM
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2G bands	ATC700-QJAE0: GSM: B2/B3/B5/B8 ATC700-QKAE0: GSM: B2/B3/B5/B8
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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
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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)
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Transmit power	Class 4 for GSM850/900: 33±4dBm Class 1 for GSM1800/1900: 30±2dBm Class 3 for LTE-FDD: 23±2dBm
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Data support	SMS (TEXT, PDU), Network protocols (TCP, UDP)
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Data codec

Codec support	Codec 8 Extended
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Power

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

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

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

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

Sensors	Accelerometer
Scenarios	Periodic tracking, Scheduler, Alarm button, Power bank support, Multi-action button*, Geofence*, Geofence with time zone*, On-demand tracking*, Configurable LED indication*, Movement-based tracking* *Feature development is still in progress and won't be included in the pilot batch
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 (In progress)
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