



ATM700

Mini asset tracker with 4G LTE Cat M1 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

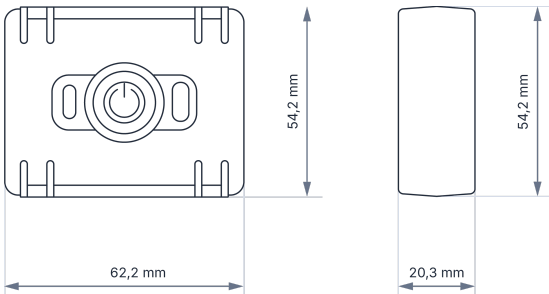
Compatibility with power banks ensures device operation during prolonged activities or in remote locations

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

Model name **ATM700-Q3AE0**

Module

Name **ATM700-Q3AE0: BG95-M3**

Technology LTE CAT M1/GSM/NB-IoT/GPRS/GNSS

GNSS

GNSS GPS, GLONASS, GALILEO, BEIDOU

Receiver 135 tracking/acquisition channels

Tracking sensitivity -165 dBm

Position Accuracy < 1.8 m CEP

Hot start < 1 s

Warm start < 25 s

Cellular

Technology	LTE CAT M1/NB-IoT/GSM
2G bands	ATM700-Q3AE0: GSM: B2/B3/B5/B8
4G LTE bands	ATM700 - Q3AE0: CAT M1 LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/ B19/B20/B25/B26/B27/B28/B66/B85 CAT NB2 LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/ B18/B19/B20/B25/B28/B66/B71/B85
Data transfer	LTE CAT M1: LTE: Max. 588Kbps (DL)/Max.1119Kbps (UL) LTE CAT NB2: NB2: Max. 127kbps (DL) /Max. 158.5kbps (UL) GPRS: Max. 107Kbps (DL)/Max. 85.6Kbps (UL)
Data support	SMS (TEXT, PDU), Network protocols (TCP)
Transmit power	Class 4 for GSM850/900: 33±2dBm Class 1 for GSM1800/1900: 30±2dBm Class 5 for LTE-FDD: 21 +1.7/-3dBm

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 20.33 mm (L x W x H)
Weight	71g

Operating environment

Operating temperature	-20 °C to +60 °C
Storage temperature	-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	USB 2.0 USB Type-C
LED indication	1 status RGB LED light
SIM	Nano-SIM
Memory	128MB internal flash memory

Features

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
Sensors	Accelerometer
Sleep modes	Online sleep, Power off sleep
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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