

# Amber Govern T400-m PROFESSIONAL LTE CAT M1/GNSS TERMINAL



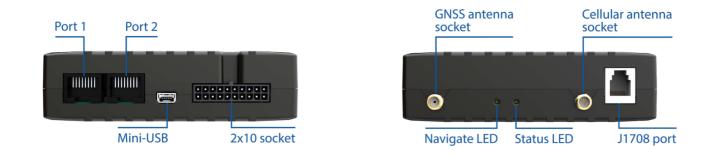
#### **PROFESSIONAL LTE CAT M1/GNSS TERMINAL**

Amber Govern T400-m is a PROFESSIONAL worldwide tracker with LTE CAT M1, NB IoT connectivity, that makes this device usable with newest and most cost efficient technologies. AGT400-m features like FMS CAN data (J1939), fuel CAN data (J1708), tachograph live data (K-line), remote tachograph file download, various third party RS232 or RS485 devices support and Dual-SIM will maximize your fleet efficiency. Terminal is suitable for applications like international logistics, refrigerated transport, agriculture, construction & mining, security & emergency services and even more.

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### **USE CASES**





## Module

Name	Quectel BG96	
Technology	LTE(CAT M1)/2G(GSM/GPRS)/GNSS	
GNSS		
GSNN	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS	
Receiver	Tracking: 33 channel	
Tracking sensitivity	-165 dBM	
Position accuracy	< 2.5 CEP	
Velocity accuracy	< 0.1M/S (WITHIN +/- 15% ERROR)	
Hot start	<1s	
Warm start	< 25 s	
Cold start	< 35 s	



## Cellular

Technology	LTE CAT M1/CAT NB1/EGPRS
2G bands	Quad-band 800/850/900/1900 MHz
4G bands	LTE FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B26/B28 LTE TDD: B39 (for CAT M1 only)
Data transfer	LTE FDD: Max. 375Kbps (DL)/Max.375Kbps (UL) LTE TDD: Max. 32Kbps (DL)/Max. 70Kbps (UL) GPRS: Max. 107Kbps (DL)/Max. 85.6Kbps (UL)
Data support	SMS (text/data)
Power	
Input voltage range	10 - 30 V DC with overvoltage protection
Internal Back-up battery	550 mAh Ni-Mh, 8,4 V battery

### Bluetooth

Specification	5.0 + LE
Supported peripherals	Temperature and Humidity sensor, Universal BLE sensors support

## Physical specification

Dimensions	104,1 x 76,8 x 31,5 mm (L x W x H)
Weight	197g

## **Operating environment**

Operating temperature (without battery)	-40 °C to +85 °C
Storage temperature (without battery)	-40 °C to +85 °C
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP41

## Interface

Digital Inputs	4	
Digital Outputs	4	
Analog Inputs	4	
1-Wire interface	1	
RS232	2	
RS485	1	

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## Interface

CAN J1939	2
J1708	1
K-line	1
GNSS antenna	External High Gain
Cellular antenna	External High Gain
USB	2.0 Mini-USB
LED indication	2 status LED lights
SIM	2x SIM Card (Dual-SIM)
Memory	2 MB internal flash memory and external Micro SD card up to 32GB

### Features

Accelerometer	
Green/Eco Driving, Over Speeding detection, Jamming detection,	
Excessive Idling detection, Towing detection, Crash detection, Immobilizer,	
iButton Read Notification	
Auto Geofencing, Manual Geofencing, Trip detection, Odometer, Fuel counter,	
GNSS Unplug Detection, DDD download and Tacho online data, Offline tracking	
Garmin, RFID RS232, RFID 1-Wire, iButton 1-Wire, Temperature 1-Wire, LV-CAN200,	
ALL-CAN300, CAN-CONTROL, CAN FMS (J1939, J1708), K-line data, Continental tire	
pressure measurement sensor, Iridium SBD (TSM232), Carrier freezer, Log Mode, NMEA	
TCP ASCII/Binary, Temperature and humidity sensor, Universal BLE sensors support	
GPS Sleep, Online Deep Sleep, Deep Sleep	
FOTA Web, FOTA, Teltonika Configurator	
Configuration, Events, DOUT control, Debug	
Configuration, DOUT control, Debug	
GNSS, NITZ, NTP	
LLS (Analog), Digital LLS (RS232, RS485), LV-CAN200, ALL-CAN300, CAN-CONTROL,	
CAN FMS, Ultrasonic level sensor	

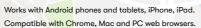




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