First on the Scene
First to Respond

STM3000
GPS TETRA Modem

BROCHURE

SYSTEL

STM3000 TETRA GPS & DATA MODEM

Remote Monitor
Remote Control

Leveraging the reliable and secure TETRA network, The modem offers real-time location updates, geofencing alerts, and robust communication capabilities. Ideal for law enforcement, emergency services, and critical infrastructure, The STM3000 ensures optimal tracking and situational awareness in demanding environments.

Key Features

- Data interfaces RS232 and RS485
- Enhanced 1.8W transmit power
- LED coverage indicator
- Enternal and external RF antenna
- GPS Flashing LED alert
- Lightweight and compact design
- AIE TEA 1, 2, 3 and BSI SIM
- Integrated GPS for location services
- USB-C connector for programming

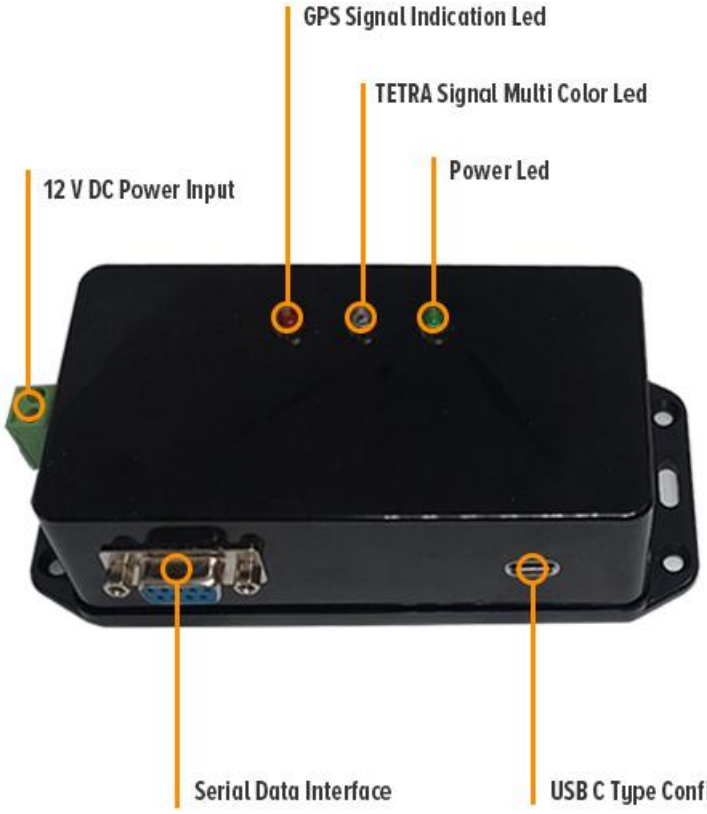
Rapid Response Reliable Connection

STM3000 is designed for integration with existing alarm systems, providing a hassle-free solution for enhanced security and rapid response.

KEEP CMMUNCATIONS SAFE

YOU NEED TO STAY FOCUSED ON THE EMERGENCY WITHOUT WORRYING ABOUT SECURITY.

The STM3000 TETRA Modem supports multiple encryption protocols, including BSI SIM and AIE TEA 1, 2 and 3, so your communications stay protected.


GPS Signal Indication Led
TETRA Signal Multi Color Led
Power Led
12 V DC Power Input
Serial Data Interface
USB C Type Configuration Port


TETRA RF Antenna

STM3000 TETRA GPS & DATA MODEM SPECIFICATIONS

GENERAL

Requires a 12 V DC 3A

Internal Antenna

USB-C Connector for configuring

RS232 Serial Data Interface

RS485 Serial Data Interface (Optional)

RF SPECIFICATIONS

Bands:380-410 MHz, 400-430 MHz, 440-470 MHz

RF Power: Class 4 (1W) and Class 3L (1.8W)

Adaptive Power Control: Per EN 300 392-2

Receiver Class: A and B

Rx Static Sensitivity:
-114dBm (min); -116dBm (Typical)

Rx Dynamic Sensitivity:
-105 dBm (min); -109 dBm (Typical)

LED Coverage Indicator

DATA SERVICES

SDS Messaging in TMO and DMO

Remote Programming

AT Commands

SECURITY OPTIONS

Enhanced Security - DMO SCK, SCK OTAR, GCK and GCK OTAR

Air Interface Encryption Algorithms5 - TEA1, TEA2, TEA3, CLR

LOCATION SERVICES

Internal GPS Antenna

Tracking Sensitivity: -160 dBm

Accuracy: <5m Metre (50% Probable) @ -130 dBm

Protocols: ETSI LIP and Motorola LRRP