

# ST868

## SMALL & PORTABLE TRACKER



- \* **Small and portable**
- \* **High sensitive GPS + GLONASS**
- \* **Quad band GSM**
- \* **Bluetooth 3.0**
- \* **SMS, GPRS, TCP/IP, UDP**
- \* **Canbus**
- \* **Autonomous operation**
- \* **Fully customizable function buttons**
- \* **3D G sensor**
- \* **Territory management / Geofencing**
- \* **Remote update**
- \* **CE and E 7 certified**
- \* **Chip type internal GSM & GPS antennas**

ISO  
9001  
QUALITY  
ASSURANCE



## BIOSTURK

### TECHNICAL SPECIFICATIONS

#### GSM CORE

SIM868 Quad Module  
850/900/1800/1900MHz  
GPRS Class 10  
TCP-IP or UDP

#### GPS & GLONASS

SIM868 66 Channel GNSS receiver  
Protocols: NMEA, PMTK  
Support: AGPS, SBAS, EASY, EPD, DGPS  
Position Accuracy: 2.5m CEP  
TTFF hot start: < 1 s  
TTFF cold start: 22 s  
Tracking sensitivity: -166dBm

#### PROCESSOR

ARM9  
Memory: 1Mb RAM, 1Mb Flash

#### ELECTRICAL CHARACTERISTICS

Power: +9 to +36 VDC

#### MOTION SENSOR

3 axis motion sensor\*

#### INTERFACES

2 x I/O  
1 x DD, 1 x DI  
RS232\*  
1 wire\*  
BT 3.0\*  
SIM card reader

#### TEMPERATURE RANGE

Operating: -10°C to +45°C

#### PHYSICAL CHARACTERISTICS

Dimensions (LxWxH): 55 x 72 x 19mm  
Weight: 45g

#### ACCESSORIES

Charging adaptor  
BT CANBUS\*

\*For F series.

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ST868\_EN\_V1.0

Specifications are subject to change without notice.