

AT1000

TECHNICAL SPECIFICATIONS



COMMUNICATION

- 3G HSPA
- 3-band (850/1900/AWS) class 33
- HSPA Cat.8 (7.2Mbps) DL / Cat.6 (5.7Mbps) UL
- TCP/IP or UDP-IP, PDU SMS
- SIM: Internal, replaceable, 1.8V Remote PIN code management
- Antenna: Internal multi-band GSM antenna

GPS

- Technology: Internal module, SiRFIII GSC3F/LP single chipset
- Sensitivity (tracking): -159 dBm
- Acquisition (normal): Cold <42Sec, Warm<35Sec, Hot<1Sec

INPUTS & OUTPUTS

- **Two internally pulled up general purpose inputs**

INTERFACES

- COM (RS232) Port
- AT1000 Serial Protocol
- Debug, Configuration, FW upgrade
- 3D Accelerometer: Movement detection
- 2 LED status indication
- Activation / Distress button
- Tamper switch
- Connectors: 6 pin Molex, Automotive

POWER

- Input voltage: 4.2V 1A CCCV
- Internal Battery: Li-Polymer, 3.7V, 13.6Ah, rechargeable
- **3 year battery life without recharge based on 1 ping per day or ~850 pings**

DIMENSIONS & WEIGHT

- Dimensions ~ 155mm x 81mm x 45mm
- Weight ~ 490gr

ENVIRONMENT

- Temp Operating / Discharging: -20°C – 60°C / -4°F - 140°F
- **Temp Charging: 0 - 45°C / 32°F - 113°F**
- Temp Storage: -20°C – 35°C / -4°F - 95°F
- Ingress Protection: IP67
- Vibration, Impact: ISO 16750
- Mounting: Magnetic or screw mounted cradle
- Tampering detection

CERTIFICATIONS

- CE: CE EMC & R&TTE according to 89/336/EEC or 1999/5/EC
- CE Safety EN60950-1:2001+A11:2004
- FCC: Part 15 Subpart B, part 22/24 compliant
- PTCRB: TRP, TIS, Spurious and harmonics emission

DEVICE DATA SETTINGS

- Stationary without external power: default every 24 hrs; range 4 hrs - 24 hrs
- Stationary with external power: default every 4 hrs; range 1 hr - 24 hrs
- In motion without external power: default every 1 hr; range 30 min - 24 hrs
- In motion with external power: default every 1 hr; range 30 min - 24 hrs

WARRANTY

- Hardware, 1 year