

TECHNICAL FEATURES TRACKER MT 10000



GENERAL

Communication Modes : Packet data and SMS
Location Technology : 56 channel GPS

GPS

Location Technology : GPS; GLONASS and QZSS capable
Enhancement Technology : SBAS: WAAS, EGNOS, MSAS
Tracking Sensitivity : -162 dBm
Acquisition Sensitivity : -148 dBm
Location Accuracy : 2.0m
Location Update Rate : Up to 10 Hz
Anti-jamming
AGPS / Location assistance capable

CELLULAR

Data Support : SMS, GPRS, UDP
Cellular/PCS : FCC - Parts 22, 24; PTCRB, UL, IC
GPRS : Up to class 10
Quad-Band : 850/900/1800/1900 MHz
Output Power : 850 (Class 4) 2W
 900 (Class 4) 2W
 1800 (Class 1) 1W
 1900 (Class 1) 1W
EHS5 HSPA
GSM/GPRS/EDGE : Dual band GSM 850/1900MHz
UMTS/HSPA+ : Dual band UMTS 850/1900MH
HSPA data rates : 5.76Mbps upload/7.2 Mbps download

CERTIFICATIONS

Fully certified FCC, CE, IC, PTCRB, Applicable Carriers

ENVIRONMENTAL

Temperature : -30° to +75° C
 (connection to primary power)
 -40° to +85° C (storage)
Humidity : 95%RH @ 50° C non-condensing
Shock and Vibration : U.S. Military Standards 202G and 810F,
SAE J1455
EMC/EMI : SAE J1113; FCC-Part 15B; Industry Canada
RoHS Compliant

ELECTRICAL

Input Voltage : 9-32 VDC (startup, operating)
 7-32 VDC (momentary)
Power Consumption :
- 2mA @ 12/24VDC (deep sleep)
- 10mA @ 12/24 VDC (radio-active sleep)
- 20mA @ 12/24VDC (idle IP connection open)
- 60mA @ 12/24 VDC (active on standby)
Back up Battery : Lithium-Ion 10000 mAh, Qi wireless charging

PHYSICAL

Dimensions : 75 x 56 x 36mm
Weight : 325g
2 magnets

Three examples of battery usage :

- Tracking in five second intervals: about 30 hours of non-stop operation with 22,000 returned positions.
- Tracking in 2 minute intervals: about 5 weeks of autonomy for 2 hours of operation per day.
- In sleep mode with 2 safety point updates daily: more than 1 year of autonomy.

