

mobileMate 886

Miniature GPS Receiver

Overview

At just 44mm in length, the featured mobile Mate 886 is one of the world's smallest models. Equipped with a 66-channel MTK chipset, it provides ultra-high sensitivity -165dBm tracking and -148dBm signal acquisition. And by coupling smart power-saving options with fuzzy auto on/off, it's also the most power-efficient receiver available. Ultra-short in length, highly sensitive and super-efficient, this device enjoys wide consumer appeal.

Key Features

- 66 channels Bluetooth GPS
- Supports G-mouse function
- Ultra high sensitivity up to -165 dBm (Tracking)
- Smart Power Save Mechanism
- Fuzzy Auto On/Off
- Support AGPS



Application

- Automotive
- Fleet management / Asset tracking
- Personal / portable Navigation (PDA, Smart phone)
- Location Based Services
- Sports and Recreation
- Geographic Survey



TRANSYSTEM INC.

An A⁺ supplier of RF microwave & GPS products

Rev 1.5

mobileMate 886

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Specifications

General

Frequency	L1, 1575.42MHz
C/A Code	1.023MHz chip rate
Channels	66 CH for tracking
Antenna	Built-in patch with LNA
Datum	WGS-84

Acquisition

Cold Start	35 sec, average
Warm Start	34 sec, average
Hot Start	1.5 sec, average
AGPS	<15 sec

Accuracy (none DGPS)

Position	Without aid: 3.0m 2D-RMS DGPS:2.5m,2D-RMS
Velocity	Without aid: 0.1m/s DGPS:0.05m/s
Sensitivity	-165 dBm (tracking)

Dynamic

Altitude	< 18,000m
Velocity	< 515m/sec
Acceleration	4g

Protocol

GPS Output	NMEA-0183 (V3.01) – GGA, GSA, GSV, RMC Data bit : 8, stop bit : 1(Default)
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Interface

Bluetooth™	Version 1.2 compliant
Output Power	Class 2 (over 10 meter in free space)
Frequency	2.4 to 2.48 GHz

Power

Battery	Rechargeable battery
Operation Time	1 hrs
Power On/Off	Push button
Power Charge	Mini USB

Environmental

Operating	- 10 °C to + 60 °C
Storage	- 20 °C to + 60 °C
Charging	0 °C to + 45 °C
Humidity	5% to 90% non-condensing

Physical

Dimension	44 x 26 x 15mm
Weight	18g

Others

BT/ Cable	Supports G-mouse function
Certification	CE / FCC
LED	Bluetooth, Navigation, Battery / charger status

*Bluetooth is a trademark owned by Bluetooth SIG, Inc.

*Specifications subject to change without prior notice.

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