

mobileMate 860

Keychain GPS Receiver

Overview

mobileMate860 is a keychain Bluetooth GPS Receiver. It's small, lightweight and compact. You may experience the convenience of this keychain GPS since it's easy to add it your key ring. You can carry mobileMate860 with you in your daily life and no need to take it off your key ring when you use it for navigation. This Bluetooth GPS is compatible with any Bluetooth enabled Mobile Phones, PDAs or Laptops. Just use it to navigate your way!!!

Key Features

- 51 Channel all-in-view tracking
- MTK chipset with ultra high sensitivity to -158dBm
- Up to 10 hrs operating time
- Smart Power Save Mechanism (Transystem Patent)
- Fuzzy Auto On/Off (Transystem Patent)

Application

- Personal / portable Navigation (PDA / Smartphone)
- Automotive
- Location Based Services
- Geographic Survey



TRANSYSTEM INC.

An A+ supplier of RF microwave & GPS products

Rev 1.0

mobileMate 860

Keychain GPS Receiver

Specifications

General

Frequency	L1, 1575.42MHz
C/A Code	1.023MHz chip rate
Channels	51 CH all in view tracking
Antenna	Built-in patch antenna with LNA
Datum	WGS-84

Acquisition

Cold Start	36 sec, average
Warm Start	33 sec, average
Hot Start	1 sec, average
Reacquisition	<1 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	-158 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)

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	10 hrs
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	46 x 32 x 14.7 mm
Weight	22g (with battery)

Others

Certification	CE / FCC / C-tick
LED	Bluetooth / GPS / Battery / Charging status

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

*Specifications subject to change without prior notice.

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