



Holy Stone Enterprise Co., Ltd

Taiwan:**消費元件事業處**

地址: 台北市內湖區瑞湖街 103 號 3 樓之 1

電話: 886-2-2659-6722 ext.220 傳真: 886-2-2659-6720

E-mail: rickylee@holystone.com.tw

C.E Components Division:

3F-1, No.103, Ruei Hu St., Nei Hu, Taipei, Taiwan

Tel: 886-2-2659-6722 ext.220 Fax: 886-2-2659-6720

立奇國際貿易(上海)有限公司

上海市天山路 789 號天山商廈西棟 1301 室

TEL: 86-21-62331502 FAX: 86-21-62331513

E-mail: chris@infotech.com.tw

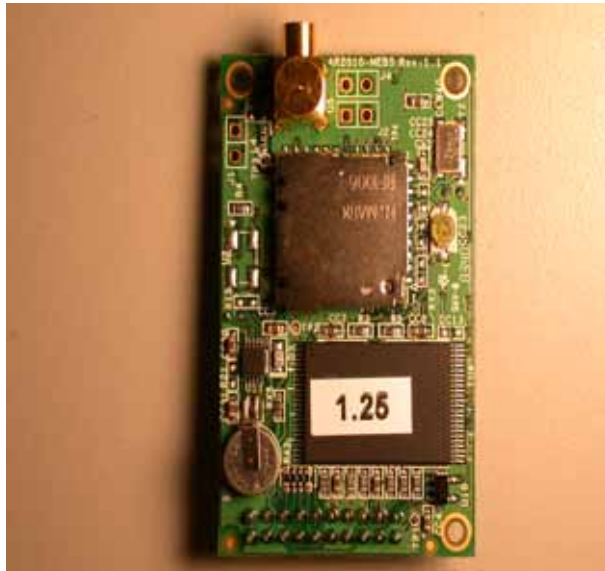
立奇國際貿易(上海)有限公司- (深圳辦事處)

深圳市福田區福明路雷圳大廈 1206 室

TEL: 86-755-83040806 FAX: 86-755-83995578

E-mail: Andrew@infotech.com.tw

GPS Engine Board (EB6801-B3-214-AA)



Features:

- Low Power Consumption: less than 30mA
- 12 Channels tracking.
- Cold/Warm/Hot Start Time: 60 / 35/ 10 seconds
- Support standard NMEA-0183 protocol.
- Dimensions: 30(w)x 50(L)

Specification:

GPS chip	HiMAKE SOC, AR2010 and RX3650 RF IC
Accuracy (open Sky)	Standard Positioning Service(SPS) WAAS(optional) Position: 5-15m CEP w/o S/A Velocity: 0.1 m/sec w/o S/A Time: +/- 1u Sec
Acquisition (open Sky)	Cold start: < 60 sec (typical) Warm start: < 35 sec (typical) Hot start: < 10sec (typical)
Sensitivity	Acquisition: -132 dBm Tracking: -139 dBm
Dynamics	Altitude: max. 18,000m Velocity: max. 500m/sec Acceleration: max. $\pm 4g$
Navigation update rate	Once per second
I/O port rate	4.8K (optional 9.6K, 19.2K, 38.4K, and up to 115.2K)
I/O protocols	NMEA 0183 Ver3.0:GGA, GLL, GSV, GSA, RMC, VTG , Himark Binary
Coordinate Datum	WGS 84 (other different datum by request)
Power supply	+3.3VDC and up to 9.0V DC
Power consumption	Less than 30mA
Antenna	Patch and active antenna (MCX connector)
PCB dimension	32(w)x 50(L) mm
Serial I/O	Series TTLx2
Sleep mode power saving	Yes
RTC support	Yes
Backup Battery	Super cap for RTC
System Performance	12-channel
RF connector	MCX
I/O connector	20 pin
Antenna	Active
Antenna Power Supply	+3.0V (optional +5V)
Timing output	1PPSx1
GPIO pins	GPIOx 12
Reset Pin	Yes
Operating Temperature	-40°C to +85°C
Storage Temperature	-55°C to +100°C
Humidity	5 to 95%