



Wrist or Belt Worn GPS/GPRS Security Device

Feature	Description
Solution	Personal location-based security; sends GPS position on regular basis; also position by SMS request; strap or belt-worn
Platform	Based on STAR-Let 200 GSM/GPRS module; uses CCww protocol stack, diagnostics and application code throughout
GSM bands	Quad-band 850/900/1800/1900 MHz
PCBA Size	28mm*34.6mm*13mm
Memory	NOR Flash / SRAM: 8MB / 4MB
LCM	B/W OLED, 0.95" with 96*64 pixels; shows: Battery level; GSM/GPRS status; Time & Date SOS alert triggered
Downloading Interface	OTA download of user application; SMS message-initiated
SIM card	Yes; internal
GPS	A-GPS for fastest fix, using SiRF STAR III
GSM Antenna	Internal
GPS Antenna	Internal 13*13mm GPS active antenna
Keys	Key-1 for device On/Off; Key-2 is user-programmable (std: SOS alert)
Battery	360mA-h Lithium Polymer; up to 55 hrs working w/standard app, depending on report interval and network performance
Charger Interface	USB cable supplied
Enclosure	ABS/PC (85%/15%) case; ~33g total
Application	Sends data to server on first-fix and every 10 minutes subsequently (GPS location, battery status, time-stamp): <ul style="list-style-type: none"> • panic button (sends SMS, initiates call; sends current location) • store and forward position data when network temporarily unavailable • one-way call from paired handset • remote 'low-battery' warning • configuration changed by SMS command Application options include: <ul style="list-style-type: none"> • remote management/configuration via SMS/GPRS • geo-fence; set report interval; request current position • accident or extended stationary period alert (with optional g-sensor) • changes to information on display • changes to information sent via GPRS • send SMS when strap unfastened; on switch-off • SIM lock - please send your requirement to CCww
Optional Hardware	Hardware options includes: <ul style="list-style-type: none"> • internal speaker (internal pads available) for 2-way call • enclosure re-design • micro-SIM, chip SIM • option for water-resistance to IP55 - please send your requirement to CCww

CCww offers a full mechanical, electronic and software design service and volume production.

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Specification above is preliminary and refers to evaluation units, and is subject to change.