

## Buddi Smart Tag Data Sheet

Buddi's Smart Tag is the world's smallest and lightest assisted-GPS tracker, uniquely providing a long battery life (reducing compliance issues) and a difficult to remove strap with optical fibre sensing. The advanced reusable straps are comfortable while the easy to use locking mechanism eliminates false strap tamper alerts.

The Buddi Smart Tag is configured over-the-air, allowing a variation of settings from curfew monitoring to full GPS live-tracking whenever you need.

Lightweight, accurate and waterproof, the Smart Tag provides instant alerts in the events of tamper/removal, out of communication, and entering or leaving set geographic zones. The evidence of which has been tried, tested and proven in court.

### Buddi Hardware

- Integrated GPS/GSM/RF tracking and curfew solution with multi-network roaming access for greater network coverage
- Compact RF home beacon with no set-up requirement
- Ergonomic and robust physical properties, including strap, locking mechanism, casing and electronics, built-in tamper sensing, waterproofing, hypoallergenic materials
- Ease of installation
- Wide range of reusable strap sizes available.
- Removal tool allowing field staff to avoid physical contact with wearer and tag
- Long battery life with typical active GPS operation on a single charge of 3 to 7 days
- On body fast charger, to allow flexibility for wearer



<b>LOCATION</b>	GPS based location	Latest SiRF IV fully assisted GPS engine
		Accuracy; 1.8m outdoors under standard GPS test conditions (static and stationary)
		-142dBm/-163dBm acquisition/tracking sensitivity
		Reliable location in light indoors positions
		Indoor GPS spike reduction and removal with use of RF beacon
	GSM location back-up	Typically 500m (Urban areas) wider in rural area
	Indoors location	Short Range Radio, 10m accuracy
<b>COMMUNICATION</b>	GSM/GPRS	Quad band GSM antenna (Tuned/Custom integration)
		GPRS/GSM Modem – 850/900/1800/1900 MHz
		Data transmission over GPRS
		Able to transmit and receive text messages
	Short Range Radio	ISM band 868/915MHz
		10 meters typical range indoors
<b>ENVIROMENTAL</b>	Dimensions	3.8 x 2.1 x 0.9 inches
	Weight	2.4oz without strap, 4.4oz including strap
	IP Rating	Waterproof IP68 (Full Immersion in water to 5m for 1 hr)
	Thermal	EN 60068 - storage to 70°C and operation at 55°C
	Shock/Impact test	EN 60068 - 1m drop tests onto steel plate
<b>FEATURES</b>	Logging	Able to store information if GPRS absent
	Automated Alerts	Inclusion and exclusion zones
		Strap removal alert, casing tamper
	Reporting Profile	Fully configurable, from every 30" to daily
	Support/Maintenance	OTA software update, remote diagnostics
	Buzzer	Strap tamper/removal indication, low battery
<b>POWER</b>	Power input	5VDC 800mA
	Battery Life	12 months in stand-by
		6 months within range of radio base station
		3 to 7 days typical use
	Approvals	CE, RoHS, FCC
<b>GENERAL</b>	Accessories	Charging Dock, Power Supply, strap, On-Body Charger, Beacon, Smart Beacon