The Revolutionary, Keyless Smart Padlock

GPI Defender Lokies

Introducing **GPI Defender Lokies**, the smartest and most unique padlock in the world today! An innovative IoT based padlock which can be opened remotely. It doesn't require a key and can easily be mobilized without the need to look after and distribute keys. Its advanced Bluetooth connectivity allows you to identify and manage multiple users with different access authorizations.

The Access Control feature turns **GPI Defender Lokies** into a one-of-a-kind intelligent management tool that keeps a full log of when it was opened, for how long, and by whom.

Lokies brings never used before security capabilities for remote areas with no supply of high voltage. It comes with a revolutionary shackle which detects any breach. And that's not all... for the first time ever, it can be equipped with a flexible shackle, giving the option to use one padlock in a setting which previously demanded multiple padlocks.

GPI Defender **Lokies** is the successor of the award-winning **Defender lite** series. It is suited for a variety of different markets, as it can protect inventory, commercial goods, supplies, venues, or cargo anywhere, giving you peace of mind and maximum control. Based on the same ground-breaking technology that awarded WatchLock with the "Physical Security Product of the Year" award in IFSEC **2019**, Lokies proves to be a truly reliable product!

■ Gets to know you
Able to assign a unique ID to each of its users and lock out unauthorized access

■ Flexible yet secure
The first ever Smart Padlock to feature a flexible shackle. The shackle detects breach and reports it instantly. Can be fitted in any length.

■ Online Support
Compatible with GPI Web Online web application available in over 30 languages, as well as GPI Olympia Tracking mobile app.

■ You are the key
Can be remotely unlocked by authorized users without the need for a key.

■ Senses its surroundings
Equipped with Bluetooth Low Energy connectivity. Can connect to nearby devices and sensors.

■ Stronger
Features extended battery life compared to GPI Defender Lite & Pro. An option to connect an external battery could triple the power.

www.gpintegral.com

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Technical Specifications:

Battery	Lithium-ion	3.7V, 5000 mAh
Temperature	Operational	-20°C to +60°C
	Storage	-40°C to +85°C
Cellular Communication	HSDPA/HSUPA	800, 850, 900, 1800, 1900, 2100
	Optional Modems	LTE
	Antenna type	Built-in (concealed)
	Data channels	SMS & TCP/IP
	Protocol	Propriety – encrypted
Network	Data	GSM, GPRS and SMS
Messages	SMS	Encrypted Protocol
	GPRS	TCP/IP over PPP
Positioning	Systems	GPS, GLONASS
	Receiver and Antenna	Internal
	Protocol	NMEA (Binary format)
	Positioning accuracy	10m CEP (50%) Velocity: 0.2m/s (50%)
	Navigation Update Rate	1 second (Default)
	Navigation method	All-In-View solution
	Time to First Fix (TTFF)	2-Satellite solution, A-GPS
		Hot Start: 2 sec
		Warm Start: 10 sec
		Cold Start: 50 sec
	Antenna	Built in
CPU Capacity	Static RAM	128 Kb
	Non-volatile Memory	34 Kb
	Flash Memory	2048 Kb
Accelerometer	Type	3 Axis, 0.1g resolution
	Purpose	Identify and report events of impact
Access Port	Type	TTL (USB cable is available)
Power consumption	Sleep/Idle	0.05 mAh
	Positioning only	75 mAh
	Cellular only	100 mAh
	Cellular and Positioning	165 mAh
Bluetooth	Type	BLE
	Version	4.1
	Tx power	+ 4 dBm
	Rx sensitivity	- 88 dBm
Physical Specifications	Dimensions	80 x 80 x 32 mm (190 mm with Shackle)
	Weight	600 gr
Flexible Shackle (Optional)	Length	Starting at 50cm and up to any length
External Battery (Optional)	Lithium-ion	3.7V, 6000 mAh