

## The Revolutionary, Keyless Smart Padlock

Introducing 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 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.

Lokies is the successor of the award-winning WatchLock 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 2012, 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 t42 Online web application available in over 30 languages, as well as 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 WatchLock Cube and WatchLock Pro. An option to connect an external battery could triple the power.

## General Specifications

<b>Battery</b>	Type	Litum-ion 3000 mAh
<b>Power Consumption</b>	Sleep/Idle	0.05 mAh
	Positioning only	75 mAh
	Cellular only	100 mAh
	Cellular and Positioning	165 mAh
<b>General</b>	Communication Modes	GSM, WCDMA, and LTE
	Location Technology	56 Channels GNSS
	Operating Voltage	4.5~6V DC
	Status LEDs	Three indication LEDs
	Bluetooth	BLE 5.3
<b>Cellular</b>	Data Support	TCP, UDP
	LTE CAT4	B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 18/ 19/ 20/ 25/ 26/ 28/ B38/ 39/ 40/ 41
	WCDMA	B1/ 2/ 4/ 5/ 6/ 8/ 19
	GSM	850/900/1800/1900 Mhz
	GSM Power	Class 10
	SIM Card	1.8/3.3 V
<b>Dimensions</b>	Dimensions	800 x 800 x 320 mm (1900 mm with Shackle)
	Weight	600 gr
<b>GNSS</b>	Location	GPS/Glonass/Galileo/BeiDou /QZSS L1 C/A, Glonass L10F BeiDou B1, Galileo E1 B/C SBAS L1 C/A: WAAS, EGNOS, MSAS, GAGAN
	Concurrent GNSS	3
	Channels	56
	Tracking sensitivity	-167dBm
	Antenna	Patch Internal
<b>Connectors</b>	Charging port	1 USB-C(configuration/debug)
	GPS Antenna	Internal
	GSM Antenna	Internal
	SIM Card	Internal (4FF)
<b>Environmental</b>	IP Rating	Meets IP67 Standards
	Operating Temperature	-20 ~ +60°C
	Storage Temperature	-40 ~ +85°C
<b>On Board</b>	CPU	ARM Cortex M4
	Flash Memory	16Mbit (20,000 records)
	3D Accelerometer	On Board

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<b>Frequency ranges</b>	
<b>GSM Bands</b>	<p>GSM850: Tx 824–849 MHz / Rx 869–894 MHz</p> <p>EGSM900: Tx 880–915 MHz / Rx 925–960 MHz</p> <p>DCS1800: Tx 1710–1785 MHz / Rx 1805–1880 MHz</p> <p>PCS1900: Tx 1850–1910 MHz / Rx 1930–1990 MHz</p>
<b>WCDMA (UMTS) Bands:</b>	<p>B1: Tx 1920–1980 MHz / Rx 2110–2170 MHz</p> <p>B2: Tx 1850–1910 MHz / Rx 1930–1990 MHz</p> <p>B4: Tx 1710–1755 MHz / Rx 2110–2155 MHz</p> <p>B5: Tx 824–849 MHz / Rx 869–894 MHz</p> <p>B6: Tx 830–840 MHz / Rx 875–885 MHz</p> <p>B8: Tx 880–915 MHz / Rx 925–960 MHz</p> <p>B19: Tx 830–845 MHz / Rx 875–890 MHz</p>
<b>LTE-FDD Bands (Selection):</b>	<p>B1: Tx 1920–1980 MHz / Rx 2110–2170 MHz</p> <p>B3: Tx 1710–1785 MHz / Rx 1805–1880 MHz</p> <p>B7: Tx 2500–2570 MHz / Rx 2620–2690 MHz</p> <p>B20: Tx 832–862 MHz / Rx 791–821 MHz</p> <p>B28: Tx 703–748 MHz / Rx 758–803 MHz</p>
<b>LTE-TDD Bands:</b>	<p>B38: Tx/Rx 2570–2620 MHz</p> <p>B39: Tx/Rx 1880–1920 MHz</p> <p>B40: Tx/Rx 2300–2400 MHz</p> <p>B41: Tx/Rx 2496–2690 MHz</p>
<b>Max Output Power (dBm) &amp; Modulation Types:</b>	
<b>Max Output Power</b>	<p>GSM850/EGSM900: 33 dBm <math>\pm</math>2 dB (Class 4)</p> <p>DCS1800/PCS1900: 30 dBm <math>\pm</math>2 dB (Class 1)</p> <p>GSM850/EGSM900 (EDGE 8-PSK): 27 dBm <math>\pm</math>3 dB (Class E2)</p> <p>DCS1800/PCS1900 (EDGE 8-PSK): 26 dBm <math>\pm</math>3 dB (Class E2)</p> <p>WCDMA Bands: 23 dBm <math>\pm</math>2 dB (Class 3)</p> <p>LTE Bands: 23 dBm <math>\pm</math>2 dB (Class 3)</p>
<b>Modulation Types:</b>	<p>LTE: DL supports QPSK, 16QAM, and 64QAM; UL supports QPSK and 16QAM.</p> <p>UMTS: Supports QPSK, 16QAM, and 64QAM.</p> <p>GSM (EDGE): Supports GMSK and 8-PSK.</p>