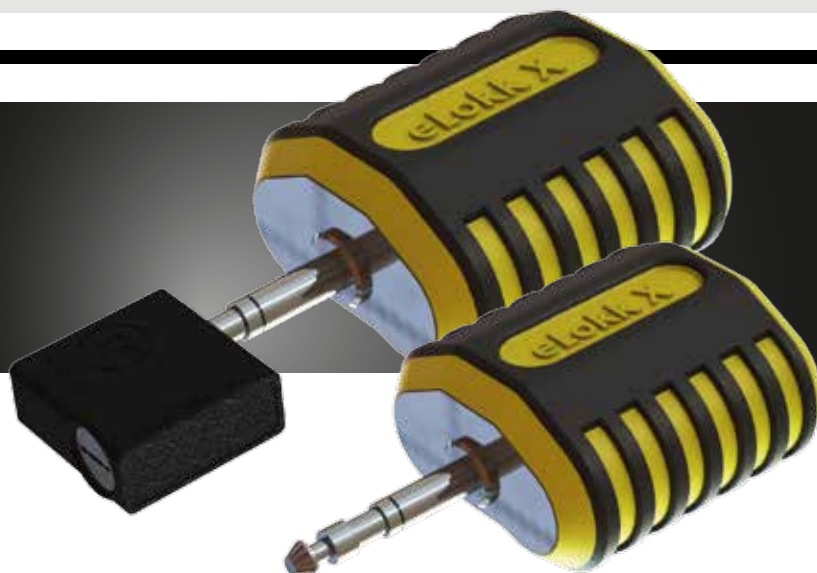


eLokk



Land Cargo

Sea Cargo

Industrial Facilities

Armored Transportation

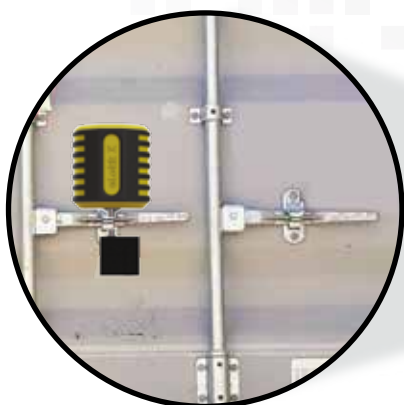
Jewelry and Gems

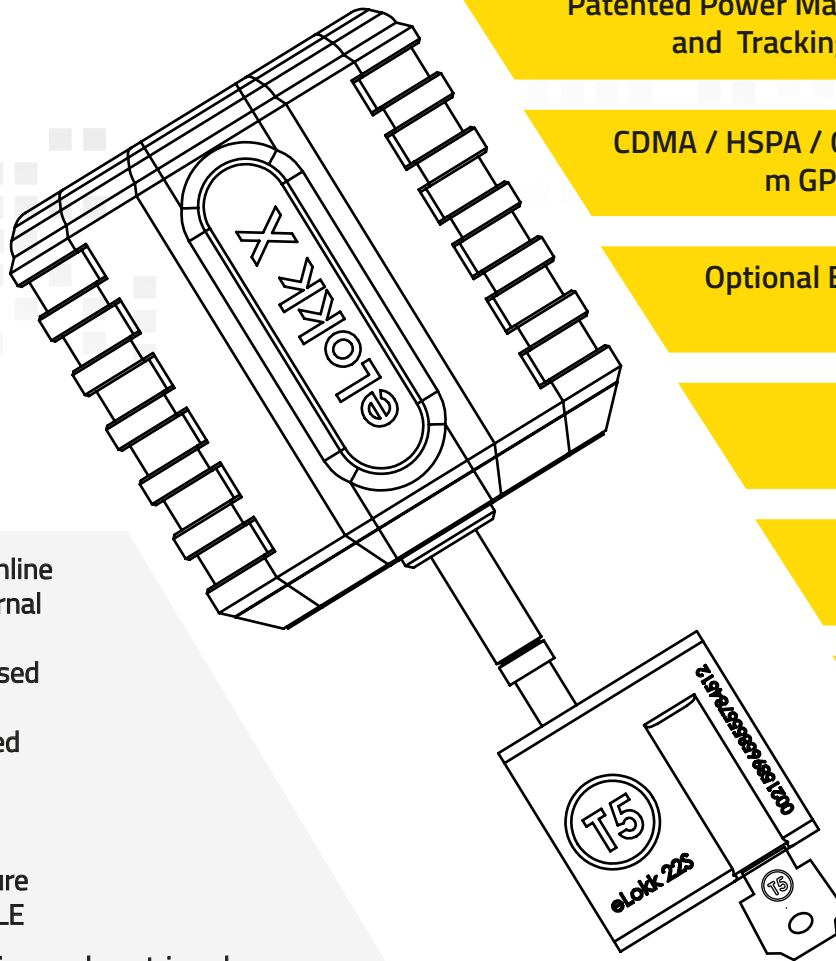
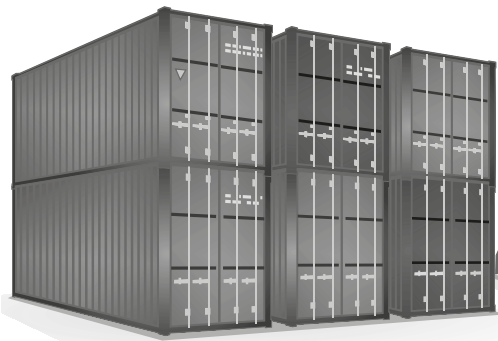
Hazardous Cargo

Medical Waste

Each year, \$12.5 trillion of merchandise is traded worldwide, using more than 200 million containers. Shipping companies use traditional methods such as tie wraps, locks and disposable bolts to secure their assets. These methods are easily defeated leaving them with heavy losses.

The eLokk is an industry leading standalone intelligent GPS tracking solution with a physical lock designed to ensure the integrity of your assets. The eLokk prevents door intrusion into the container or trailer and detects motion, tilting, impact and tampering. These infractions along with time, location, speed and other factors are transmitted over the air via encrypted messages through the cellular network and is IoT ready.





Patented Power Management Allows the Monitoring and Tracking Assets for up to 4500 Readings

CDMA / HSPA / GSM Modem, Global SIM with 1.5 m GPS Resolution and Motion Sensing

Optional Bluetooth Low Energy BLE 4.0 for Pads and Smartphone Interfaces

IP 67 Sealed Case and Self Mounted Via Door Lock

Operating Temperature
- 40 °C to + 85 °C

Coded Padlock for Break Detection

Optional Internet of Things Support

Data Logging
64 MB

The eLokk provides online notifications and internal logging when:

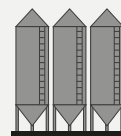
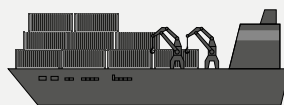
- Lock Opened / Closed
- Pin is Cut
- Enclosure is opened
- Excessive Impacts
- Excessive Tilts
- Over Speeding
- Battery temperature
- Profile Update / BLE

The status of the device can be retrieved:

- Directly from the device: IoT (Internet of Things)
- Online through our tracking and monitoring site
- Via Bluetooth enabled smart devices running our App



National security related organizations, cargo transportation companies, industry, customs and port authorities are but a few that greatly benefit from the eLokk



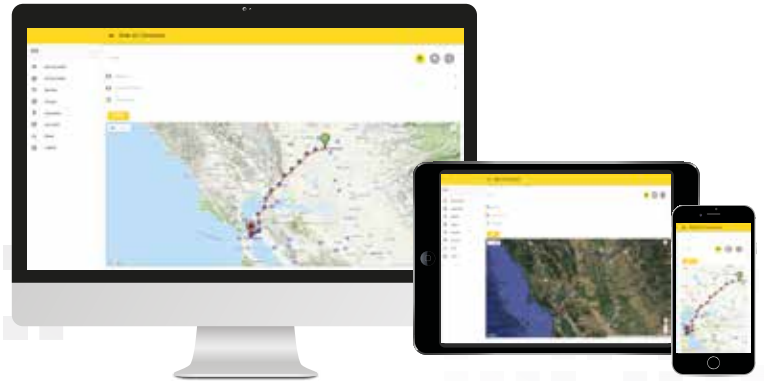


T5 – Information Access

Access to the eCAT data and status via the T5 Fleet IoT Command

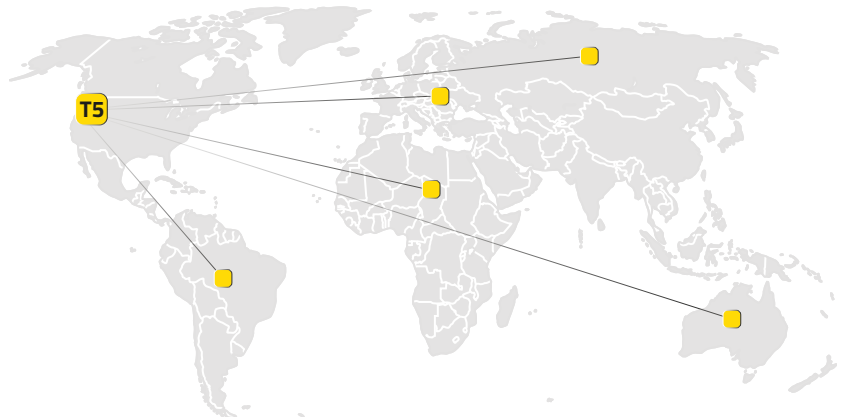
Encrypted messages to ensure the highest level of security

Field statistics via the T5 mobile App

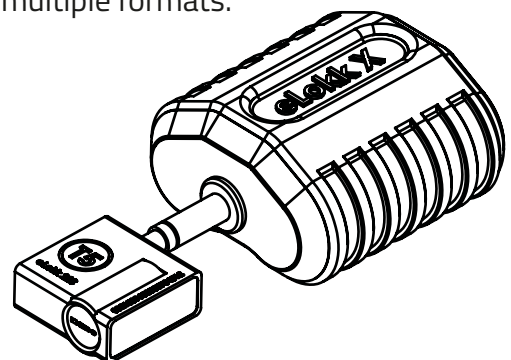


The T5 Fleet IoT Command (FIC) is the dashboard interface backbone for information interpretation, storage, access and visualization. It features a high level of encryption and security to drive T5 products while remaining user friendly and accessible. It offers several interfaces such as the web portal, API data service and mobile app for iOS and Android.

The FIC cloud based structure enables access on-the-go while providing the required tools such as reporting, account & user management, device history, and much more.



The T5 API data service enables the users to import their data real time using multiple formats.



Near Real Time Data and Status



Secure and Redundant Database



Customizable Reporting



Worldwide Access



Online Statistics



Advanced Motion Analysis



Real Time Alerts



Encrypted Messages



Custom Geozones

GENERAL

Communication Modes	GPRS/EDGE/HSPA, CDMA, WCDMA/FTD TCP/IP Stack Optional Bluetooth Low Energy Optional IoT
Roaming Capability	Included, Dual SIM, ESD Protected
Power Supply	Battery Operated for up to 4500 reports
Tampering Detection	Box Open, Pin Cut
Data Logging	64 MB

GPS

Location Technology	Integrated 32 Channel GNSS receiver
Enhancement Technology	NMEA-183, EGNOS, WAAS
TTFB	(-130dBm): 1s Hot Start, <35s Cold Start
Tracking Sensitivity	-162dBm
Acquisition Sensitivity	-145dBm
Navigation Sensitivity	-156dBm
Location Accuracy	Position Accuracy (CEP50): 1.5m
Anti-jamming	Included RLS in 2G and 3G Modes
50 channel GPS	

CELLULAR

Data Support	SMS, TCP/IP Stack, Transparent TCP/UDP
Operating Bands (MHz)	
GSM/GPRS	Quad - 850, 900, 1800 and 1900 MHz
UMTS (WCDMA/FDD)	Five - 800, 850, 900, 1900 and 2100 MHz
Data Support	HSDPA Cat.8 / HSUPA Cat.6 data rates DL: max. 7.2 Mbps, UL: max. 5.76 Mbps EDGE Class 12 data rates DL: max. 237 kbps, UL: max. 237 kbps
	GPRS Class 12 data rates DL: max. 85.6 kbps, UL: max. 85.6 kbps EDGE/GPRS/GSM quad band 3GPP Rel.7 Compliant Protocol Stack
HSPA Fallback	

LOCK / DETECTION

Type	Mechanical
Technology	Smart Wireless Coding
Key	Included, Slotted rotating detainer discs with magnets.
Construction	Robust Metallic Alloy

BLUETOOTH (Optional)

Type	Bluetooth® 4.0 Low Energy
Technology	Single Mode Power-Optimized
Class	Class 1 SoC, 1 Mbps, GFSK
Frequency	Certified ISM 2402 – 2480 MHz in 2 Mhz steps
Range	Over 100 meter (330 ft) line of site (LOS)
Channels No.	40: 37 data / 3 advertising (0,12,39)
Output Power	-23 to 0 dBm
Receive Sensitivity	-96/-90 dBm
Protocols	GAP, GATT, SMP, ATT, L2CAP, BAS, BLP, BLS, DIS, FMP, ANP, HIDS, HOGP, HID, HTP, HTS, HRP, HRS, IOP, IAS, LLS, PASP, PXP, SCPP, SCPS, TIP, TPS, BRSP

ENVIRONMENTAL

Temperature	-40° to +85 ° C -20° to +40° C (storage / 10 years)
Humidity	95%RH @ 50° C non-condensing
Shock and Vibration	U.S. Military Standards 202G and 810F, SAE J1455
EMC/EMI:	SAE J1113; FCC-Part 15B; Industry Canada
RoHS Compliant	

SIM, ANTENNAS

SIM Interface	Global SIM, Dual Voltage, PUSH/PUSH Able to connect to international SIMs
GPS Antenna	Embedded
Cellular Antenna	Embedded

MOTION SENSING

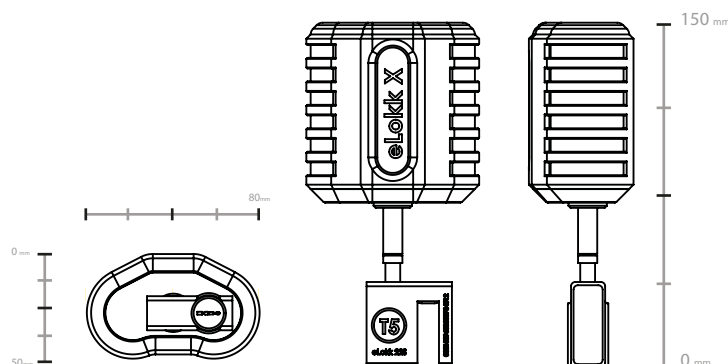
IMU	9 Axis, 3D Accelerometer ± 8g 3D Gyroscope, 3D Magnetometer
Impact Sensor	3D Accelerometer ±400 g
Temp. Compensation	Embedded

IoT Enabled (Optional)**ELECTRICAL**

Type	Battery Powered Lithium - Ion Polymers Customized
Capacity	38,000 mAh
Voltage	3.7 V DC
Operation	Up to 4500 reports
Energy Management	Transmitt when needed.
Protection	Temperature, Over/Under Voltage Overcurrent, Short Circuit

PHYSICAL

Dimensions	(150 x 60 x 80 mm)
Weight	14.1 oz, (400 g)

**CERTIFICATIONS**

Fully certified FCC, CE, IC, PTCRB, Applicable Carriers

COMPLIANCE AND NOTICES