BOXLOCK

LOCK ANYTHING
LOG EVERYTHING

Retail Loss Prevention




RETAIL IS IN A STATE OF LOCKDOWN
THE HOME DEPOT
BEST BUY
LOWE'S

OVERALL STATE OF RETAIL LOSS

NRF® NATIONAL RETAIL FEDERATION®

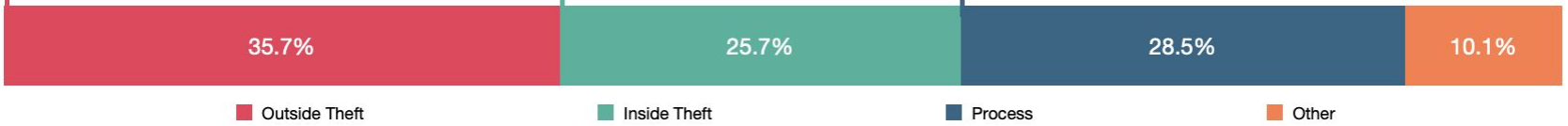
$100 B Annual US Retail Shrinkage

1.4% Shrinkage as a Percentage of Total Sales

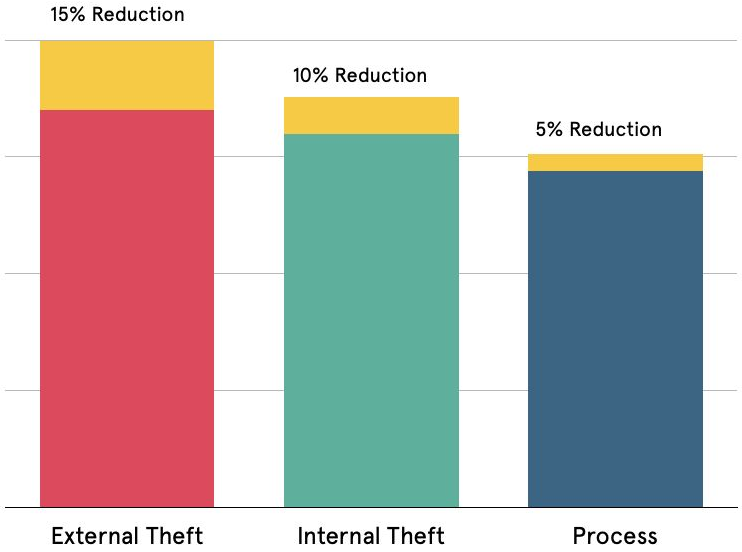
OUTSIDE THEFT
Outside theft in retail involves shoplifting and organized crime by individuals not employed by the retailer. It includes stealing merchandise, staging robberies, or executing coordinated heists.

INSIDE THEFT
Inside theft, or internal theft, refers to losses caused by employees stealing from their employer. This can include stealing merchandise, cash, or abusing discounts and returns in a retail setting.

PROCESS
Inventory shrinkage due to operational inefficiencies, mismanagement, or errors such as poor record-keeping, mispricing, or inadequate stock control.



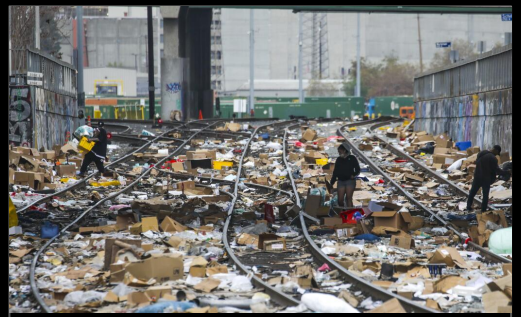
EXAMPLE SHRINKAGE IMPACT



	Revenue	Shrinkage	Potential Savings
Walmart	$611 B	$8.6 B	$812 M
TARGET	$109 B	$1.5 B	$145 M
LOWE'S	$97 B	$1.4 Bn	$129 M
THE HOME DEPOT	$157 B	$2.2 Bn	$209 M

Based on averages from the National Retail Federation's 2022 Annual Security Survey, using an estimate of a 1.4% Shrinkage Rate and a 15% reduction in external theft, a 10% reduction in internal theft and a 5% reduction in process / control losses, BoxLock has estimated the potential savings from implementing BoxLock's Supply Chain Access Control Platform to curb retail shrinkage. These numbers do not account for how retailers secure merchandise and inventory today.

Logistics Industry Trends



Rising Cargo Theft Losses

Cargo theft is escalating, with over $110 million lost in the first half of 2024.

Organized crime is increasingly targeting high-value goods, forcing logistics providers to enhance security.



Operational Disruptions and Increased Costs

Fuel prices, labor shortages, and inefficient processes are increasing operational costs.

Logistics providers are struggling with a range of workforce issues while trying to capture the benefits of 24x7 operations.



Stricter Regulations and Safety Measures

OSHA, FHWA, insurers and customers are pushing logistics companies to improve their safety record using technology.

Thus requiring much more sophisticated metrics and logging than ever before.

Logistics operations are complex and dangerous places where small incidents compound, magnifying project risks and compromising worker safety.

Padlocks and seals are used as physical access control on everything… yard access, trailers, containers, delivery points, truck maintenance checks, cages and more

They’re everywhere…








Not all Seals are Created Equal

Traditional Seals

- Tamper Evident
- Serialized for unique identification



Physical Access Control

- Keys and combos are susceptible to loss and duplication
- No tracking or monitoring of access



Digital Access Control

- Require smart phones with and a mobile app
- Monitoring is only in the presence of the mobile app



Intelligent Access Control

- Who, when, where the lock is accessed
- Fully connected and globally accessible



THE INTELLIGENT ACCESS CONTROL PLATFORM

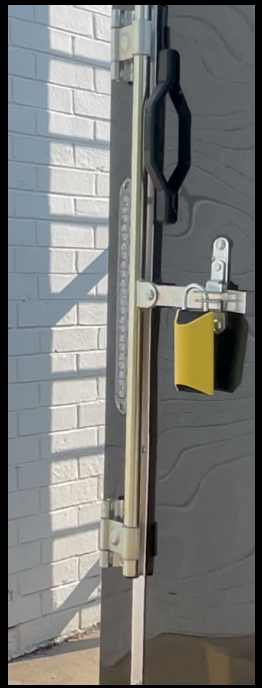
Top Carriers and Logistics Providers trust BoxLock's Intelligent Access Control Platform to:

Lock Anything
Log Everything
and Automate

BoxLock's patented connected padlocks secure cargo both in transit and at rest making sure cargo arrives safely and securely in optimal condition.

Lock Anything

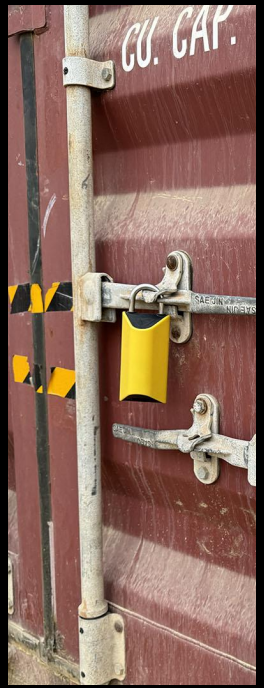
BoxLock's cellular connected padlocks provide intelligent security solutions tailored to the user and environment.



Pull Trailer



Utility



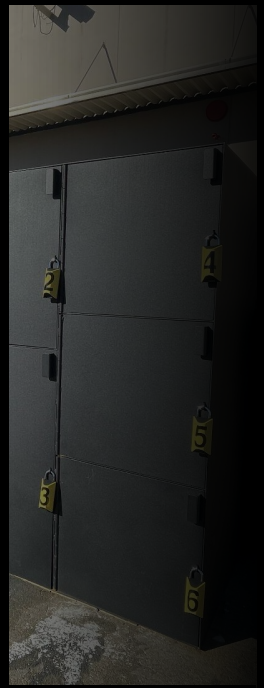
Intermodal



Box Truck



Tractor Trailers



Lockers

Log Everything

BoxLock's cellular connected padlocks log data in real-time without reliance on mobile phones or gateways.

Worker ID	**Time Opened**	**Time Closed**	**Intrusion Alert**	**Connectivity Optimization**	**Location**	**Clock In**
Replenishment Needed	**Geo-Location**	**Bill of Lading**	**Humidity**	**Checked Out**	**Assets Nearby**	**Task Complete**
PO Number	**Credential Status**	**Container/Seal Number**	**Temperature**	**Transferred Assets**	**Hold Time**	**Checked Out**

Automate

BoxLock Control's Robust Integration Marketplace and Real-Time APIs integrate seamlessly with existing infrastructure.

























Device Features



Barcode Scanner
Enterprise Grade Zebra Barcode Scanners.

Cellular Connectivity
Dual Sim with Cat-M and NB-IoT delivers global data connectivity.

2.4 Ghz Wi-Fi
Wireless network frequency for on premise applications.

GPS Geo-Location
Precise location tracking with global positioning system.

Intrusion Detection
Real-time alerts in the event of brute force attacks.

Bluetooth IoT Gateway
Supports reading up to 100 Bluetooth Beacons.

SOC 2 Certified
Rigorous information security standards compliance assured.

Sand and Dust Tight
Complete protection with no ingress.

Water Resistant
Withstands heavy rain, heavy jets of water and splashing.

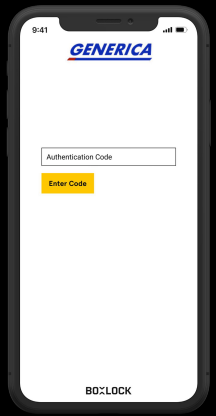
Fully Encrypted
Advanced data protection for maximum security and privacy.

1 Year Battery Life
Long-lasting performance with a rechargeable USB-C port.

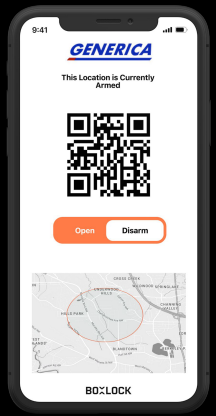
Alarm Mode

Secure high value or critical cargo in the field with geo-fencing and intrusion alerts. Be the first to know if someone is tampering with cargo.

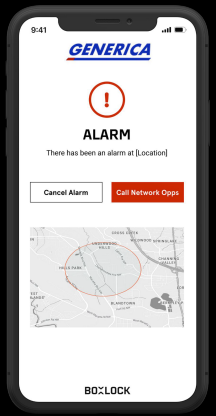
With Alarm Mode you simply arm the lock when it's at rest and disarm it when it's over the road.



Secure One-Time Passcode



Arm and Disarm



Real-Time Notifications



AI Based Status Updates

GPS Geo-Location
Precise location tracking with global positioning system.

AI Status Updates
Each Lock Activity is evaluated in context of the Lane, the Location, the Mode, type of activity and historical data for that Lane.

Subsequent Updates
The frequency and type on subsequent Status Updates (i.e. GPS, cell triangulation and intrusion sensitivity) is determined based on the current telematics.

This maximizes battery life by requesting data only when necessary or when an anomaly event occurs.

Dynamic Alerts
Alerts use all available inputs to determine if they need to be escalated or suppressed.

The result is a highly efficient, highly intelligent system that uses real-time data and historical data to evaluate the current state of cargo at rest and in transit.



In-Transit Trackables

Friday, August 30th 2024

Cargo Secured by Bob Staples 10:52 AM EST
Cargo in Transit - Over the Road 10:59 AM EST
Armed Stationary - Yard - Pier A SSA Or A-90 2:35 PM EST
Cargo in Transit - Over Rail 11:42 PM EST

Saturday, August 31th 2024

Armed Stationary - Rail - North Long Beach 4:18 AM EST



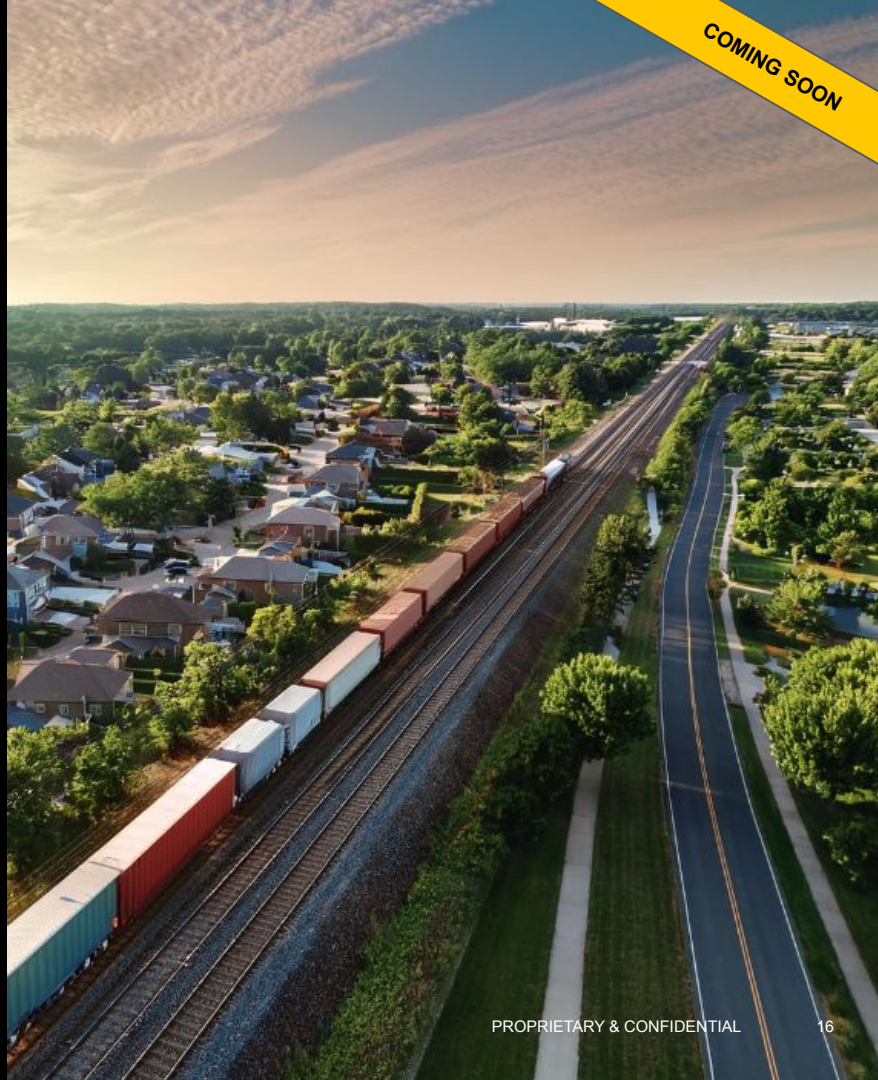
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Intrusion Alert - Rail - North Long Beach 4:22 AM EST



Yard Access Mobile App

Zebra Handheld Application Framework for custom yard applications.
Supports Single Sign-On and Custom Workflows.





TRUSTED BY















For more information contact:
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