



Tamper and Clone Proof Asset Tag

## Asset Security Management System

## AssetPro

Assets and other mission critical infrastructure aid business delivery and support. The business worth of these assets is much more than one can ever imagine. Compromising them is beyond management's thoughts.

## CHALLENGES & NEEDS

- Today's flexi work culture demands movement of office Assets like Laptops to be carried out and into the premises. This calls for monitoring the entry of unauthorised Laptops being carried in or out.
- Call for compliance with stringent information security standards such as ISO-27001 and BS7799 has further created the need to implement system to secure assets carrying valuable corporate information.
- Unauthorised automobiles entering secured zones have proven to be of great risk.
- Paper stickers currently used for automobile and asset identification can easily be compromised.
- Considering the sheer flux of asset movement results in wastage of valuable time but still maintaining the security vulnerability.

We at IDCube have come up with a solution to secure movement of assets like Laptop, Automobiles etc. into or within authorised complexes/areas. Our product is tamper proof, clone proof and as well cost effective considering security vulnerability in this fast pace world of today.



Vulnerable Parking Sticker



Laptop, Secured with AssetPro Tag



# How AssetPro Addresses Them?

# AssetPro

AssetPro is Radio Frequency Identification (RFID) based multi-utility asset security solution.

RFID has established itself as a safe, fast and reliable mechanism that uses radio waves to identify people and objects. Unlike bar code readers, this is not a line of sight technology and tags can be read in bulk and through opaque containers or barriers. Tags can be read from a range as less as a foot to as high as three hundred feet.

The AssetPro Solution comprises of a tag couplet, a PDA-based hand-held reader, a desktop reader and software.

- Tag Couplet

The tag couplet has:



- ❑ Asset Tag - The sleek and attractive design tag maintains the aesthetic look of the assets that is being tagged on. The tag is tamper-evident; any attempt at removing the tag from the asset renders it non-operational for any further use.
- ❑ User Tag - is in a paper label form, which is provided to the personal carrying the Asset.



The system is based on patent pending design and authentication scheme. Both tags have an in-built memory to store asset and user information. The tags are electronically mapped and the stored information is encrypted to prevent cloning or tampering (the decryption and authentication application runs on the hand-held reader).

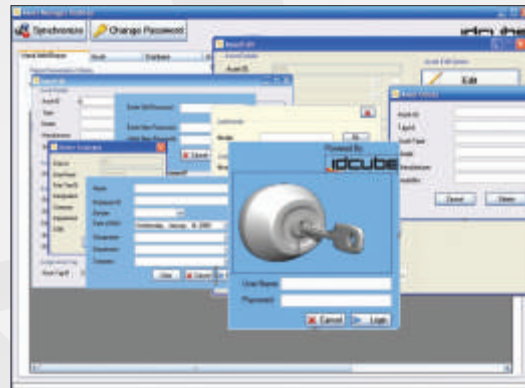
- Hand-held Reader

Used to detect and authenticate the tag couplet from a distance of up to one meter. Events recorded in the PDA memory are used to generate reports using the AssetPro software.

- Desktop Reader

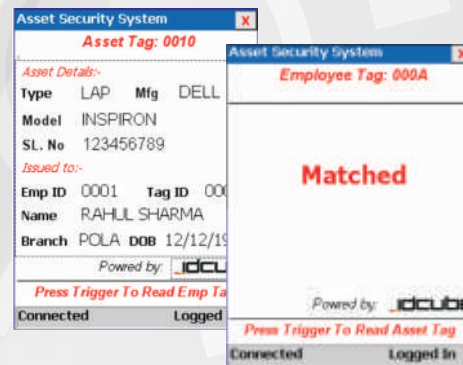


The lightweight, convenient pocket sized, plug & play USB device enables read and write asset & employee information into the tag couplet.



### Features of the AssetPro Software

- Issues user tag and maps them to the asset tag in an encrypted format.
- Transfers data from the PDA-based handheld reader to the server for periodic (daily / weekly / monthly) report generation.
- The tag couplet can only be activated through the software. Thus non-repudiation is ensured.



This RFID-based solution does not require backend database for authentication. Thus the solution is very easy to implement without requiring any extensive IT infrastructure. It can be used to secure laptops and other business-critical electronic machinery, all commercial and passenger vehicles and a host of other assets.

Its low-cost yet robust infrastructure coupled with best-in-breed support from IDCube makes it a very viable and valuable investment in security infrastructure of an organization.