

Laptop Tracking System

What is Laptop Tracking System?

Tracking company assets can be real chore and if not done correctly can cost business a lot of money in misplaced items resulting in higher overhead. Through the RFID based asset tracking solution will can have the facility to track the asset as well as the person carrying the laptop so that the system can recognize weather he is an authorized user or not.

In the above solution each asset (Laptop) will be fixed with an RFID tag which is having a Unique Id number to track the same. It is also makes easy to create the complete life cycle history of the asset.

Why Laptop Tracking System is required?

Despite tremendous benefits laptops offer, one of the key concerns is related to its movement in and out of office usually on a daily basis. This makes laptops susceptible to theft which not only is a loss of asset but more importantly loss of valuable and at times sensitive data. It is important for an organization to ensure that right person carries the right laptop in and out of the facility. In some cases one would want to track movement of laptop within a facility and across facilities of same organization. Current method of laptop tracking is mainly through manual verification by security personnel. In some cases we have observed writing down serial number of the laptop at the entrance of the building. Any manual process is wastage of employee's time as well as a big irritant. Thus there is a tremendous need for auto identification of laptop as well as employee carrying the laptop so that organizations can efficiently ensure "Right Person carries the Right Laptop". Other complexity involved in auto identification is the fact that laptops are carried in various orientations – in hand, on shoulders, open/closed condition, employee walking vs. driving etc.

Functional details:

- Each Laptop will be embedded with an RFID tag and the details are entered into a database along with the unique tracking number.
- In the database, each Laptop will be assigned certain parameters like date of purchase, color of the item, permitted movement, etc.
- Each distribution channel will have a local RFID reader, which will record the details when an Laptop passes by, and include time/date of stamping thereby closely monitoring the movement of the assets.

Depending on the number ofLaptops and branch offices, the amount to be invested for this solution varies. The tags include tamper and removal-protection as well.



Features of Laptop Tracking System

- 1) Robust platform for industrial-class EPC Gen 2 implementations
- 2) Supports up to 8 read point in single mode and 4 read points in dual port mode.
- 3) Microsoft windows CE, direct application hosting and processor with 64 MB RAM
- 4) EPC compliant; supports European standard (ETSI EN 302 208)
- 5) Enterprise connectivity through I/O ports
- 6) Durable construction.
- 7) Connectivity: TCP/IP and RS 232 etc.
- 8) Dimensions : 22 cm LX30 cm WX 5 cm H

Antenna specifications:

The RFID antenna which will be connected this reader will offer versatility and performance to meet diverse application needs. This is a high performance area antenna with capacity, high throughput environments. These antennas are easy to mount on ceiling and walls to create superior read zones around shelves, doorways and dock doors.

Specification:

Weight: Epox 3.5 Kgs
Polarization: Two circularly polarized connectors.
Gain: 6.0dBi
Dimensions: 28.3 in L X 12.5 in W X 1.5 in D

Laptop tag Specification:

The tag that we are offering is UHF Gen 2 LAPTOP application tag. This is specially designed for RF tag which can give 100 % readability even it is mounted on metal components.

Specification:

Rugged Tag which can operate in frequency from 860 to 960 MHz.
High gain , high performance tag.

Ideal for laptops, PC's, monitors, printers and also applications with metal and plastic present

Dimensions: 10.5 cm X3.5 cm

Read Range : 8 to 10 ft

Benefits of Laptop Tracking System

- Real-time audit and traceability
- Improved manageability through a single unified Laptop registration system across multiple sites;
- Ensures asset and data is protected as right person is made to take the right laptop.
- Increase in productivity as employees do not wait for authentication of laptop.
- Automatically keeps a log of all movements of laptops and employees.
- Dissuades employees from swapping or exchanging laptops.
- Regulates flow of certain restricted laptops across the organization.
- Reduces supervision cost of assets.
- Tracking helps in easy identification and location of assets during audits.