

Product overview

AdvanSafe is a loss prevention system based on RFID UHF. It comprises an antenna with an embedded reader, controller and alarm combining EAS and RFID functions in one system.

AdvanSafe detects the tagged items that pass below the antenna, verify if those items have been paid, and sounds an alarm if any item has not been paid.

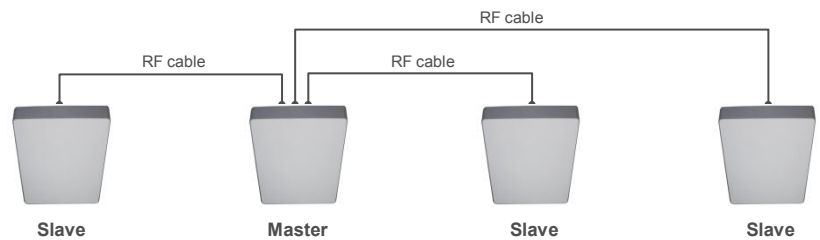
AdvanSafe can use three configurations for verifying if a tagged item has been paid:

- Verifies the EAS bit of NXP chips
- Verifies if the EPC code includes a pre-defined pattern that signals that the product has or not been paid
- Verifies against the POS database if the product has been paid. This requires an external computer

AdvanSafe comprises a master unit and several slave units:

- The master unit has an integrated reader, a controller, an alarm, a visual alarm indicator and one directive antenna.
- Each slave unit comprises one directive antenna and a visual alarm indicator.

As shown in the following illustration, up to 3 slave units can be connected to one master unit. This reduces costs for stores with wide entrance

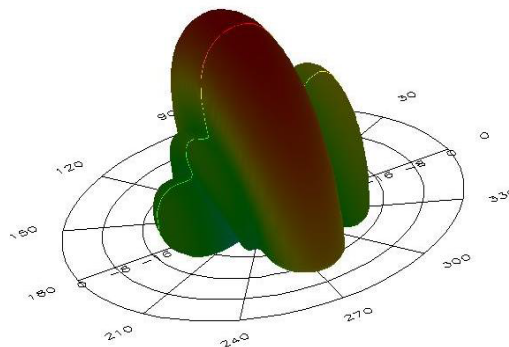


AdvanSafe works with multiple reusable UHF hard tags, sew in tags or hang tags using EPC Gen2 chips.

By using AdvanSafe it is no longer necessary to install two technologies for using EAS and RFID functions in one single shop.

Radiation pattern

To minimize the detection of products inside the store, AdvanSafe has a radiation diagram wide in one direction and narrow in the other (perpendicular) direction



Benefits:

- Combination of EAS and RFID in one system, reducing labeling costs
- Improved store aesthetics, by having an open entrance area in the shop
- Improved customer experience, since tags are very thin and can be embedded in labels (for apparel)
- Shrinkage reduction
- Provides data to detect which products suffer more theft attempts
- Statistics of EAS alarms
- Plug and play installation

Applications:

- Loss prevention at retail stores
- Loss prevention at warehouses
- Product tracking at backdoors, entrances, corridors, etc.

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