AMTEL RFID ACTIVE TAGS *Credit Card Size with Anti-Tamper Option*

RFID system consists of two major components - a reader and a transponder (or tag). They work together to provide a non-contact solution to uniquely identify people, objects or vehicles. RFID does not require line of- sight between the tag and the reader and works effectively in dirty environments.

The Tag is basically a RF transmitter that contains an antenna, a microchip and a battery to power the microchip. Information is stored in the tag can range from as little as an identification number, to kilobytes. The encoded data is converted to electromagnetic field by the microchip circuitry and radiated at pre-defined intervals using an antenna.

Radio Frequency Identification Technology or RFID Technology is an extremely powerful and cost effective technology that allows a wide range of objects (including people) to be identified, tracked and managed. RFID technology is based on the use of small radio tags or transponders and readers/encoders for connection to an information system. These readers communicate with multiple transponders and interface with host device to transfer the data. Multiple readers can be connected in a network to a single host device.

The Readers detect the RFID Tags affixed on Assets, Vehicles or carried in person. The readers receive the tag ID and decode them to send over a wire interface to the connected control panel. Software is installed in the panel, receives the tag ID to take appropriate action. The reader is used for Indoor/Outdoor Access control applications, Asset Tracking and Monitoring Applications.

FEATURES

- Up to 255 unique Receiver Addresses possible

- Remote readers are powered via the CAT5 cable, centralized or distributed PSU topology may be used.

- Reader status indication by LED's at RJ45 connectors

- ESD protection as specified by FCC and CE requirements

- Conformance to the RF standards required by the internationally accepted regulatory bodies: i.e. FCC, CE and ETSI

- Sensitivity adjustment and reader addressing done remotely via PC software application.

TECHNICAL SPECIFICATIONS

Environmental

Operational Temperature	:-10º C to +60º C
Storage Temperature	:-20º C to +70º C
Humidity	:5% to 90% (non condensing)

Physical

Dimension	86mm x 54mm x 5mm (Slimline Enclosure)
Weight	15 grams
Color	Grey (Clariant 04-600 2%)
Type of Material	PC (ultrasonically sealed)IP 65

RF Specifications

Tx Frequency	433.92Mhz
ERP	< 300μW (72 dB μV)
Typical Transmission Range	75 feet
Power Output	-14 dBm, 72 db μV, 4300
Modulation	ASK
Bandwidth	1 MHz
Stability	Saw Stabilised

Electrical Specifications

Power	Internally Powered Lithium Battery

ORDERING INFO:

Part Number	:	262-RFI-CSVA0
Product Name	:	AMTEL RFID Active Tag - Credit Card Size
Product Description	:	RFID Active Tag: Standard for Non Metal Surfaces Credit Card Size

Part Number	:	262-RFI-CSVAT
Product Name	:	AMTEL RFID Active Tag - Credit Card Size with Anti Temper
Product Description	:	RFID Active Tag: Standard for Non Metal Surfaces Credit Card Size with Anti Temper Kit