

SAAT-H810 Handheld RFID Reader



SAAT-H810 is a portable active reader which operates in the 916 MHz band, with high performance, powerful extensible function, flexibility and integration. SAAT-H810 combines the portability and user-friendly together, which is easy to use and complies body engineering. SAAT-H810 is suitable for pet location, asset tracking, traffic vehicle management, etc.

Functions

- Reading range is auto-adjustable or by software
- Support RS-232 and USB interfaces
- Built-in Samsung ARM920T@533MHz CPU
- Windows CE 6.0 operation system, based on industrial standard
- Provides SDK for customers' second development

Industrial Design

Rugged industrial design increases SAAT-H810 normal usage time under harsh environment, and improves efficiency. IP rating of SAAT-H810 is IP65, which allows to working in various harsh environment with water dropping.

Performance Index

CPU	Samsung ARM920T@533MHz
Memory	System Storage 128MB SDRAM, system flash memory 1GB NAND FLASH
Operation System	Microsoft Win CE 6.0
Wireless Communication	916MHz Module
Antenna Gain	2dBi
Display Screen	four-wire resistance touch screen, Resolution 240*320 Full Color, 3.2QVGA, TFT-LCD、65K
Keyboard	Including 26 keypress and 4 keypress sideways, thereinto, 4 keypress sideways and F1/F2/F3/F4/F5, all these 9 keypress are user-defined.
External Interface	USB port (10PIN、USB 2.0)
Expansion Slots	Micro SD(TF) Card, Support Max.32G
Speaker	0.5W Output

Tag operation

Tag Protocol	Private Protocol
Tag Operating Mode	Active Operating Mode Tags
Reading Range	0~50m (depends on tag power output)

Mechanical & Electrical performance

Weight	400g (including standard battery)
Dimensions	186.5mm ×75mm ×31mm
Battery	3.7V 2000mAh Rechargeable Polymer Batteries
Voice Frequency	Built-in speaker, microphone and earphone connector
Standby Current	<5mA
Operating Current	Depends on the working module
IP Rating	IP64, (IEC60529 standard)
Continuous Working Period	8 hours
Working Temperature	-20℃~+50℃
Storage Temperature	-25℃~+70℃

§ 15.19 Labelling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

§ 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

* RF warning for Portable device:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.