



SAAT-H522

Active Handheld Reader

H522 is a portable active reader which operates in the 2.45 GHz band, with high performance, powerful extensible function, flexibility and integration, SAAT-H521 is easy to use whose design is in line with body engineering, and suitable for persons position, asset tracking, and traffic vehicle management.

Functions

- Support RS-232 and USB interfaces
- Reading range is auto-adjustable or by software
- Selectable built-in wireless device such as GPRS,WIFI, Bluetooth
- Windows CE 5.0 operation system, based on industrial standard
- Provides SDK for customers' special development

Expansive Functions

- 1D or 2D bar code scanner module
- GSM/GPRS, WLAN and Bluetooth module

Application

- Asset tracking
- Vehicle, Parking management
- Warehouse and logistics management

Parameter

Performance Index	
Operating Frequency	2.400-2.4835GHz
Modulation	GFSK
Communication Rate	1Mbps

Sensitivity	-93dBm
Antenna Gain	2dBi
Communication Ports	1 x RS232 DB9; 1 x USB Host port; 1 x USB Sub port
Processor	arvell Xscale PXA 270 520MHz CPU
Operation System	Win CE 5.0
Scanner	1D/2D Barcode Scanning Engine (Optional)
Wireless Communication	Bluetooth v2.0 + EDR; IrDA; EDGE/GPRS Module (Optional); WIFI Module (Optional)
Display	3.5QVGA (backlight), TFT-LCD 256K, four-wire resistance touch screen
Memory	System Storage 128MB SDRAM, system flash memory 1GB NAND FLASH

Tag operation

Tag Protocol	Private Protocol
Reading Range	0~80m (depends on tag power output)
Reading Speed	<120km/h
Max Simultaneous Tag Detection	200
Identification Accuracy	>99.99%

Mechanical & Electrical performance

Dimensions	223mm×75/100mm×31/42mm;200mm×75/100mm×31/42mm
Weight	400g (including standard battery)
Battery	3.7V lithium battery, 4400mAh
Durability	Drop test from 1.5 m height to cement floor. It can resist three times of collision from three directions on six surfaces.
Voice Frequency	Built-in speaker, microphone and earphone connector
International Protection	IP65
Working Temperature	-20℃~+50℃
Storage Temperature	-30℃~+60℃