STA F526B Active Reader

STA F526B Active Reader operates in 2.45 Ghz band with high-recognition, long range, powerful, high reliability, expandability and other characteristics. Read range is adjustable within 0-200 meters.

Functions

- Support RS-232, RS-485,Wiegand 26/34 &10/100M Adaptive Ethernet and customized interfaces
- External interface and power supply configurable for users' need, enhancing flexibility of systematic integration
- Multi-group I/O ports: Input interface can detect the TTL or pulse signals of connected devices', used to control the working status of the reader. Output interface can control other devices according to TTL or pulse signals through predetermined conditions
- Support active reading, passive identifying, command trigger, timing trigger, external trigger and other modes, to meet users' various integration needs
- Support multi-Reading, Multi-reader operating under intensive environment
- Reading distance is auto-regulation or adjustable by software
- Strong API port
- All external interfaces under lightning circuit protection, in line with IEC61000-4-5 and ITUK.21 specifications
- All external interfaces are isolated protection by the latest technology magnetic devices, with a strong anti-interference and injury prevention from potential difference.
- Reference to relevant military standards, all the design, components model and production process meet demanding use
- PVC plastic shell, high-tension, IP Rating IP67
- Flash memory (optional)

Applications

- School & corporation personnel management and positioning
- Automatic vehicle identification
- Parking management, highway toll collection
- Warehousing and logistics

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Specifications

RF Parameters	
Operating Frequency	2.4~2.48GHz
Output Power	+15dBm (adjustable by software)
Sensitivity	-95dBm
Communication Interfaces	RS-232, 10/100M Adaptive Ethernet
Optional Interfaces	RS-485, Wiegand 26/34
Wireless Expansion Module	GPRS/GSM (optional), CDMA (optional), 802.11 WIFI module (optional)
I/O Port	2- channel relays output(optional), 2- channel trigger input(optional)
Firmware Upgrade	Support serial port
Application Software Platform	Provide development kit of API (C++ and C#)

Tag operation	
Tag Protocol	Private Protocol
Tag Operating Mode	Compatible with active and passive operating mode tags
Reading Range	0-200m (depend on the tag power output)
Identification Speed	200pcs/s (tag ID)
Anti-confliction	Identifying 300pcs tag at the same time

Mechanical & Electrical performance	
IP Rating	IP67
Indicator	Buzzer, LED (Power, Reading, Data transmission)
Product Dimension	Φ330mm×126mm (excluding stand); Φ13.0 in×5.0 in (excluding stand)
Package Dimension	560mm×380mm ×185mm
Net Weight	1.6kg
Gross Weight	5.15kg
Power Supply	AC180V~240V (optional external power adapter)
Power Consumption	300mW
Operating Temperature	-40℃~+60℃
Storage Temperature	-60℃~+80℃
Humidity	5% ~ 95% (non-condensing)
Shock Resistance	10~500Hz, 100mm/15g, triaxial

Application scenarios

Highway Toll Collection

Parking Managmnet

School & cooperation personnel management and positioning

warehouse logistic management

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