

SAAT-T501 Battery Powered Passive RFID Tag



SAAT-T501 active RFID tag operates in the 2.45GHz band, which can be worn or mounted on vehicle windshield, widely used in warehouse inventory Checking, vehicle identification, parking management, highway toll collection and so o

Feature

- Exclusive low-power consumption, longer working time
- Permanent 4-byte basic ID and user-rewriting 4-byte extension ID
- Passive operating model
- PVC plastic shell, high-tension, water-proofing IP67

RF Parameter	
Operating Frequency	2.4-2.48GHz
Output Power	-6dBm
Sensitivity	-85dBm
Basic Parameters	
Basic ID	4-byte
Memory	512-byte
Operating Mode	Passive operating mode
Signal Interval	1s/time(can be customized)
Battery Life	4-year life (related with the operating mode and output power)
Reading Distance	0-80m (operating with SAAT-F526,test under open environment)
Mechanical& Electrical performance	
Dimensions	3.3 in × 1.4 in × 0.2 in(L ×W × H)
Weight	22g
Power Supply	750m Ahlithium battery
Operating Temperature	-40°C~+60°C
Humidity	5%~95%(non-condensing)
Waterproof	IP67
Shock Resistance	10~2000Hz,20mm/15g, triaxial

SAAT-T502 Mounting Active Tag



SAAT-T502 active mounting read only tag operates in the 2.45 GHz band. The small SAAT-T502 is suitable for asset tracking, management, positioning and other integration applications.

Feature

- Exclusive low-power consumption, longer working time
- Permanent 4-byte basic ID
- Active operating model(read only)
- Hole on shell and with adhesive, it is convenient for installation

RF Parameter	
Operating Frequency	2.4-2.48GHz
Output Power	-6dBm
Basic Parameters	
Basic ID	4-byte
Operating Mode	Active operating mode
Signal Interval	500ms/time(can be customized)
Battery Life	5-year life (related with the operating mode and output power)
Reading Distance	0-150M (operating with SAAT-F526, test under open environment)
Mechanical& Electrical performance	
Dimensions	2.6in×1.4in×0.2in (L×W×H)
Weight	16g
Power Supply	550mAh lithium battery
Operating Temperature	-40°C~+60°C
Storage Temperature	-60°C~+80°C
Humidity	5%~95%(non-condensing)
Waterproof	IP50
Shock Resistance	10~2000Hz,20mm/15g, Triaxial

SAAT-T503 Keyfob Active Tag



SAAT-T503 active RFID tag operates in the 2.45GHz band, The small SAAT-T503 is non-detachable with rope, which is suitable for asset management, personnel access monitoring and other integrations.

Feature

- Permanent 4-byte basic ID
- Active and operating model, read-only
- Exclusive low- power consumption, longer working time

RF Parameter	
Operating Frequency	2.4-2.48GHz
Output Power	-6dBm
Basic Parameters	
Basic ID	4-byte
Operating Mode	Active operating mode
Signal Interval	500ms/time(can be customized)
Battery Life	4-year life (related with the operating mode and output power)
Reading Distance	0-150m (operating with SAAT-F526, test under open environment)
Mechanical& Electrical performance	
Dimensions	2.0in×1.2in×0.4in(L×W×H)
Weight	12g
Power Supply	450mAh lithium battery
Operating Temperature	-40°C~+70°C
Humidity	5%~95%(non-condensing)
Waterproof	IP50
Shock Resistance	10~2000Hz,20mm/15g, Triaxial

SAAT-T504 Ultra-Long Range Active Tag



SAAT-T505 active RFID tag operates in the 2.45GHz band, with ultra-long read range (up to 1500m), it adopts high-tension industrial structure, with pressure resistance and high protective characteristics, which is suitable for access management of fishing boats, containers, container trucks and other large equipments.

Feature

- Ultra-long operating range
- Exclusive low-power consumption, longer working time
- Permanent 4-byte basic ID
- Active operating model, read-only
- PVC plastic shell, high-tension, water-proofing IP67

RF Parameter	
Operating Frequency	2.4-2.48GHz
Output Power	10 dBm
Sensitivity	-93dBm
Basic Parameters	
Basic ID	4-byte
Signal Interval	500ms/time(can be customized)
Operating mode	Active operating mode
Signal Interval	500ms/time(can be customized)
Battery Life	6-year life (related with the operating mode and output power)
Reading Distance	0-1500M (active operating mode, test under open environment)
Mechanical& Electrical performance	
Dimensions	4.7in×2.0in×0.6in(L×W×H)
Weight	82g
Power Supply	1600mAh lithium battery
Operating Temperature	-40°C~+70°C
Humidity	5%~95%(non-condensing)
Waterproof	IP67
Shock Resistance	10~2000Hz,20mm/15g,Triaxial

SAAT-T505 Card Type Active Tag



SAAT-T505 active RFID tag operates in the 2.45GHz band, which can be worn or mounted on vehicle windshield, widely used in school & cooperation personnel management and positioning; automatic vehicle identification, parking management, highway toll collection and so on

Feature

- Exclusive low-power consumption, longer working time
- Permanent 4-byte basic ID
- Active operating model, read-only
- PVC plastic shell, high-tension, water-proofing IP67

RF Parameter	
Operating Frequency	2.400-2.48GHz
Output Power	-6dBm
Basic Parameters	
Basic ID	4-byte
Operating mode	Active operating mode
Signal Interval	500ms/time(can be customized)
Battery Life	6-year life (related with the operating mode and output power)
Reading Distance	0-150M (active operating mode, test under open environment)
Mechanical& Electrical performance	
Dimensions	3.3 in × 1.4 in × 0.2 in(L ×W × H)
Weight	22g
Power Supply	750mAh lithium battery
Operating Temperature	-40°C~+60°C
Humidity	5%~95%(non-condensing)
Waterproof	IP67
Shock Resistance	10~2000Hz,20mm/15g, Triaxial

SAAT-T506 Dual Frequency Tag



SAAT-T506 dual-frequency active RFID tag operates in the 13.56MHz&2.45GHz band, potable design for personnel management/ positioning, asset tracking, and so on

Feature

- Exclusive low-power consumption, longer working time
- Permanent 4-byte basic ID
- Support active operating mode
- PVC plastic shell, high-tension, waterproofing IP67

RF Parameter	
Operating Frequency	13.56Mhz/2.4-2.48GHz
Output Power	-6dBm
Basic Parameters	
Basic ID	4-byte
Operating Mode	Active operating mode
Signal Interval	500ms/time(can be customized)
Battery Life	6-year life (related with the operating mode and output power)
Reading Distance	0-150M (operating with SAAT-F526, test under open environment)
Mechanical& Electrical performance	
Dimensions	3.3 in × 1.4 in × 0.2 in(L ×W × H)
Weight	22g
Operating Temperature	-40°C~+60°C
Humidity	5%~95%(non-condensing)
Waterproof	IP50
Shock Resistance	10~2000Hz,20mm/15g, Triaxial

SAAT-T507 LF and Active Wake-up RFID Tag



SAAT-T507 active RFID tag is woken by 125KHz LF signal and sends 2.45GHz frequency tag ID to reader. SAAT-T507 is suitable for corporation/school personnel management, vehicle auto checking & identification, parking lot management and e-toll on highway, etc.

Feature

- Exclusive low-power consumption, longer working time
- Permanent 4-byte basic ID
- Awaken by 125KHz frequency signal
- PVC plastic shell, high-tension, water-proofing IP67

RF Parameter	
Operating Frequency	2.4-2.48GHz
Output Power	1mW
Wake up Sensitivity	100 μ VRMS
Basic Parameters	
Basic ID	4-byte
Working Mode	Wireless exciting + actively signal transmission
Signal Area	0-8m(operating with SAAT-E221B exciter in open space)
Battery Life	6-year life (related with the operating mode and output power)
Reading Distance	0-200M (operating with SAAT-F526, test under open environment)
Mechanical& Electrical performance	
Dimensions	85mm × 55mm × 4.5mm (L × W × H)
Weight	22g
Operating Temperature	-40°C~+60°C
Storage Temperature	-60°C~+80°C
Humidity	5%~95%(non-condensing)
Waterproof	IP67
Shock Resistance	10~2000Hz,20mm/15g, Triaxial

SAAT-T508 Battery Replaceable LED and Buzzer Ta



SAAT-T508 battery replaceable LED & Buzzer tag works in 2.45GHz frequency band in passive working mode. The tag has both LED and buzzer to indicate the working status of tags. With waterproof and battery changeable design, the tag SAAT-T508 is very suitable for many application occasions such as asset management/monitoring/locating etc.

Feature

- Exclusive low-power consumption, longer working time
- Permanent 4-byte basic ID
- Passive operating model
- Built in 512byte user data bank
- Supports LED & Buzzer working indications
- Battery changeable
- Battery auto-detecting, low-power alarm
- PVC plastic shell, high-tension, waterproofing IP67

RF Parameter	
Operating Frequency	2.4-2.48GHz
Output Power	-6dBm
Sensitivity	-85dBm
Basic Parameters	
Basic ID	4-byte
Memory	512-byte(16k programmable user memory)
Operating mode	Passive operating mode
Signal Interval	1s/time(can be customized)
Battery Life	3-year life (related operating mode and output power)
Reading Distance	0-80m (active operating mode, test under open environment)
Status Indication	LED, Buzzer
Mechanical& Electrical performance	
Dimensions	88mm × 42mm × 9mm
Weight	32g
Operating Temperature	-40°C~+60°C
Storage Temperature	-60°C~+80°C
Humidity	5%~95%(non-condensing)
Waterproof	IP50
Shock Resistance	10~2000Hz,20mm/15g, Triaxial

SAAT-T509 Temperature Sensor Tag



SAAT-T509 active RFID tag operates in the 2.45GHz band, with external temperature sensor, convenient to measure liquid and environment temperature, widely used for cold chain logistics, medicinal transportation, storage management and such application sensitive to temperature.

Feature

- Real-time data collection and temperature transmission
- Temperature changes control up to 0.5°C
- Exclusive low-power consumption, longer working time
- Permanent 4-byte basic ID
- Active operating model
- PVC plastic shell, high-tension, water-proofing IP67

RF Parameter	
Operating Frequency	2.4-2.48GHz
Output Power	-6dBm
Basic Parameters	
Basic ID	8-byte
Signal Interval	30s/time(can be customized)
Battery Life	5-year life (related with the operating mode and output power)
Reading Distance	0-150M (operating with SAAT-F526, test under open environment)
Mechanical& Electrical performance	
Dimensions	4.4in × 1.4 in × 0.4in(L ×W × H)
Weight	22g
Monitoring Temperature	-55°C~125°C
Accuracy	±0.5°C sensitive during-10°C~85°C range
Humidity	5%~95%(non-condensing)
Waterproof	IP67
Shock Resistance	10~2000Hz,20mm/15g, Triaxial

SAAT-T510 Coin/Button Size Active RFID Tag



SAAT-T510 Coin/Button Size Active RFID Tag operates in the 2.45 GHz band, mini design, battery replaceable. The small SAAT-T510 is suitable for asset tracking, management, positioning and other integration applications.

Feature

- Exclusive low- power consumption, longer working time
- Battery replaceable
- Permanent 4-byte basic ID
- Active operating model(read only)
- Hole on shell and with adhesive, it is convenient for installation

RF Parameter	
Operating Frequency	2.4-2.48GHz
Output Power	-6dBm
Basic Parameters	
Basic ID	4-byte
Operating mode	Active operating mode
Signal Interval	1s/time(can be customized)
Battery Life	2-year life (related with the operating mode and output power), battery replaceable
Reading Distance	0-60M (operating with SAAT-F526, test under open environment)
Mechanical& Electrical performance	
Dimensions	Φ29mm × 8mm
Weight	7g
Operating Temperature	-40°C~+60°C
Storage Temperature	-60°C ~+80°C
Humidity	5%~95%(non-condensing)
Waterproof	IP50
Shock Resistance	10~2000Hz,20mm/15g, Triaxial

SAAT-T531 Active Wristband Tag



Wristband tag operates in 2.45 GHz band, active working mode, nice design is suitable for people tracking, management, position and so on applications.

Feature

- Exclusive low- power consumption, longer working time
- Battery replaceable
- Permanent 4-byte basic ID
- Active operating model(read only)

RF Parameter	
Operating Frequency	2.4-2.48GHz
Output Power	-6dBm
Basic Parameters	
Basic ID	4-byte
Operating mode	Active operating mode
Signal Interval	500ms/time(can be customized)
Battery Life	3-year life (related with the operating mode and output power), battery replaceable
Reading Distance	0-60M (operating with SAAT-F526, test under open environment)
Mechanical& Electrical performance	
Dimensions	250mm × 31mm × 15mm
Weight	40g
Operating Temperature	-40°C~+60°C
Storage Temperature	-60°C ~+80°C
Humidity	5%~95%(non-condensing)
Waterproof	IP68
Shock Resistance	10~2000Hz,20mm/15g, Triaxial