

- \* ISO 9001, 27001 / MSME
- \* CE Certified Products
- \* In existence More than 5 Yrs.

## Smart Handheld RFID Reader—[AJV-HHR-001]

### OVERVIEW OF THE SYSTEM

- This device is carried by door to door garbage collection person.
- Tag ID with geo location can be sent to server on Real-time basis.
- This device is powered by Li-polymer 5000 MAh battery with 3.7 v, easily charged by any mobile charger
- This device will automatically push encrypted data into a secure server, 736 Bytes, 200 MW Max.
- Data analytics tools of garbage collection
- LED indicator :- GPS, RFID GSM & Power
- IP65 enclosure to sustain in harsh environment
- Micro SIM and MicroSD card Support
- Alert/regular SMS or email can be sent to Garbage collection team.



### DEVICE SPECIFICATION

Sr. No	Parameter	Value
1.	Microcontroller	32bit Microcontroller,64kb Program memory 20kb RAM.
2.	I/O pins	Total 48 pins, 37 I/O pins Low power consumption 3.7V.,Available I/O - 2 Analog Input, 6 Digital I/O TCP/IP
3.	GSM/GPRS Band	Quad band class A(1w@1800/1900mhz),class 4(2w@850/900mhz), signal 5db.
4.	GSM / GPRS multi slot Class/mobile station	Class12, class B, Low power consumption, onboard antena
5.	Device identification	Every device has unique registered IMEI (International Mobile Equipment Identity) number.
6.	Device critical zone	In case absence of GPRS network the device stored up to 200 tags data and when it has proper GPRS signal strengths comes it pass the data to the server.
7.	Operating Temperature/ Time	-20°C to +85°C. , 0 to 5 Seconds
8.	GPS	Time-To-First-Fix, Cold starts: <29s / Warm starts: <22s
9.	Rfid/NFC Reader	Frequency 13.56 MHz, Power supply 3.3v, 15 mA—120 mA, Supp. ISO/ICE14443/NFC standard.
10.	Data transfer rate and reading distance	10 Mbit/S, 50 MM tags read , Internally CRC (cyclic redundancy check) checking to validate tags data.,1 cm to 3cm
11.	Battery Charging Voltage /current (Max.)	4.2±0.03v/0.5C5A , weight 45.0±2.0g, LIPO, 5000 Mah , BIS Certified.
12.	Buzzer	Sound Level 85dB, beep Tone ,Hear Distance 2m
13.	Antenna	3" X. 5" inches, Connection - UFL, Cable - Light Weight, fixture—light weight