

AT907 USER GUIDE





Revision History

Version	Date of Revision	Reason of Revision	Revision History	Writer
V0.1	2021-08-02	Draft	Initial Release	Hak-Joo Lee

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Before the Beginning

The objective of user guide is to pass the basic contents related with AT907's maintenance and smooth uses. User guide inclusive of text, images, logos, product name may not be distributed, modified, displayed, reproduced (in whole or in part) without the prior written permission of **ATID Co,.Ltd.** Furthermore, the described contents in this document are subject to change without notice for improving or maintaining the product and we inform the user that some material can be different with the described contents due to the firmware changes of product.

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Safety Instructions

When using this device, user safety is the most important than other things. User must read and follow all cautions in this document using ATID equipment. Failure to follow safety precautions can result in serious personal injury and damage to equipment and data.

🚺 Warning

Improper use or operation of the equipment may result equipment in damage to the equipment.



If user ignores this indication and operate the equipment, the operation may fail or the equipment may execute unintended operation.

Product Overview

1. Product Overview

Welcome to use AT907 portable reader. This portable reader is a new portable reader developed by our company in combination with the needs of IOT application scenarios. This product is an intelligent and multi-functional UHF RFID tag reader with fast processing speed, good portability and high functional integration.

2. Main Usage and Application Scope

With abundant functions, AT907 portable reader can be widely applied in multiple fields, such as: clothing retail, warehouse management, asset management, textile washing, etc.

3. Working Environment and Conditions

AT907 portable reader has the following specific requirements for the working environment.

- 1) Working Temperature : $-20^{\circ}C \sim 50^{\circ}C$
- 2) Storage Temperature : -20°C ~ 70°C
- 3) Working Humidity : 5%-95% (non-condensing, +25°C)
- 4) Storage Temperature : 5%-95% (non-condensing, +25°C)

4. Safety and Protective Measures



When using the tag reading function of the reader, a strong electromagnetic wave is output from the device. Do not aim at people and animals for a long time!



Before using, please refer to the contents in the precautions.

Any radio transmission equipment, including this equipment, may interfere with the work of



medical equipment without proper protection. If there is a problem, consult the manufacturer of the medical equipment concerned. The work of the equipment may interfere with other

electronic equipment.

Performance Parameters

1. Main Functions

- 1) Support for EPC Global UHF Class 1 Gen 2 / ISO18000-6C protocols.
- 2) Support for identification and reading of mainstream 1D and 2D barcode symbols.
- 3) Support for wireless transmission of data information via 4G network (Data), Wi-Fi, Bluetooth, etc.
- 4) Support for GPS positioning.
- 5) Support for camera.
- 6) User can easily master the usage with a simple operation interface.
- 7) Support for touch screen and multiple language / data input.
- 8) Provide Java SDK and standard environment for secondary development.

2. Technical Parameters

Perforn	nance					
Process	or	Octa-Core 2.0GHz				
Memory		RAM 4GB / ROM 64GB				
Operati	ng System	Android 10				
Physica	al Characteristics					
Dimens	ions (L x W x D)	170 x 103 x 150mm				
Weight		650g				
		9,000mAh / Li-ion / Rechargeable				
Dowor		Standby : over 200 hours				
Power		Continuous Use : over 14 hours (depending on user environment)				
		Adaptor : DC5V / 3A				
Display		5.5" IPS HD (720 x 1440)				
USB Interface		1 USB Port / Type-C / OTG				
Notifica	tion	LED Indicator, Speaker, Vibrator				
Sensor		Accelerometer				
Slot		1x Sim Card Slot, 1x TF Card Slot (Support up to 256GB)				
3101		1x PSAM Card Slot				
Data C	ollection					
	Protocol	EPC GEN2, ISO/IEC 18000-6C				
	Reading Range	~10m (Depending on environment and tag type)				
Writing Range		~5m				
RFID		US / FCC : 902MHz ~ 928MHz				
(UHF)		EU / CE : 865MHz ~ 868MHz				
	Frequency Range	KR / KC : 917MHz ~ 921MHz				
		JP / TELEC : 916MHz ~ 921MHz (1W)				
		· 916MHz ~ 924MHz (0.25W / Optional)				

	Antenna	Circular Antenna / 4dBi
Barcode		2D Engine (Support to read 1D & 2D Barcode)
Comoro	Front	5M Pixel
Camera	Rear	13M Pixel
Commu	nication	
Bluetoot	h	BT V2.1+EDR / BLE V4.2
GPS		GPS, Tolerance ±5m
WLAN		802.11 a/b/g/n/ac (2.4GHz / 5GHz)
		2G : GSM / GPRS / EDGE
		(850 / 900 / 1800 / 1900MHz)
WWAN		3G : WCDMA (850 / 1900 / 2100MHz)
		4G : TD-LTE (Band 38 / 39 / 40 / 41)
_		FDD-LTE (Band 1 / 2 / 3 / 4 / 7 / 17 / 20)
User En	vironment	
Operatir	ng Temp	-20°C to 50°C
Storage	Temp	-20°C to 70°C
Charging	g Temp	0°C to 45°C
Humidity	y	5~95% (non-condensing, +25°C
Drop Sp	ec	1.5m
Sealing		IP65

Structural Characteristics and Operation Principle

1. Appearance Description



1) Camera & Barcode Engine

The camera and barcode functions are applied in the form of modules. The camera can be used for functions such as taking photos and videos. Device can collect data by recognizing 1D and 2D barcodes through the barcode function.

2) RFID module

RFID module part is equipped with UHF Antenna and UHF RFID module.

3) Battery

The battery can be removed only by removing the rear cover integrated with the handle. When the battery is removed, slots for installing SIM and TF cards are located.



4) USB Type-C Interface

The USB Type-C interface is used as a power input port for charging, but can also be used for data transfer between other devices or mobile devices. The AT907 also supports OTG (On-The-Go) function that works as a Host Device.

5) Switch Key

This key turns the power of the device ON/OFF. For more details, please refer to "3. Shutdown / Standby / Restart".

6) Side Key 1, 2

As a function key that the user can designate a function, it can be used as a UHF reading or barcode scanning function key.

2. Installing and Removing the Battery

1) Installing the Battery

After installing the battery on the back of the device, assemble the rear cover and tighten the nut to fix the rear cover.



2) Removing the Battery

In the reverse order of installing the battery, loosen the nut of the rear cover, remove the handle at an angle to the top, and then take out the battery at an angle upward.



3. Power ON/OFF / Standby / Restart

1) Startup

With the device turned off, press and hold the power key on the right side of the AT907 handheld reader for 3 seconds. The boot screen turns on and the system returns to a normal state.

2) Standby and Wake-Up

With the screen off, briefly press the power key on the right side of the AT907 handheld reader. The screen turns on and the system returns to normal.

3) Power off / Restart1

When the AT907 portable reader is turned on, if press the switch key for about 3 seconds, the "Shutdown / Resume" screen is going to be activated as shown below.



- If select "Power off" to completely turn off the screen and the system.
- If select "Restart", the screen turns off completely and reboots the system.

4) Restart2

If the device does not operate normally and there is no response to a key operation, user may have to force restart the device.

• How to operate : Press the right switch key for more than 10 seconds to restart the system automatically.

Common functions and Settings

1. Notification Menu and Quick settings

When a notification signal is sent by a device or an app, touch and hold the top of the screen and swipe down to activate the notification window. User can check the notification at this menu. When the notification window is active, touch the notification panel and swipe down once more to activate the quick setting screen.

11:37 🖻 調 🗣 🕯	12:38	12:38
2X2 2	Mon, Aug 2 🗢 🕯 86%	NO SIM CARD
SeanUS ATID RF	💎 \star 🖂 🖥 🗞 🖻	
	题 Scan0Service · 17m	
	Scan0Service Scanner has been opened	ATIDmobiles Bluetooth Do Not Disturb
	Silent polifications	
	(2) Android System • USB file transfer turned on v	Flashinght Autorotate battery saver
	Manage	
		Mobile data Airplane mode Screen Cast
		No SIM card
	Google Duo d Assistant Play St.	/ 10 (QP1A.190711.020)
		Image: 10 million
G J	G	G
	< ◎ ■	< ○ ■

2. USB Driver Installation and Data Synchronization between PC

- The AT907 portable reader automatically installs the driver after connecting to a PC with Windows
 7 or higher using a USB cable and completes communication preparation. For Windows XP, user must manually install the driver.
- 2) If the connection is finished successfully, user can view the contents of the device through the PC.
- 3) If user checks the notification window with the USB cable connected to the host device, the notification menu "Andorid System · Charging this device via USB" appears.

4) If user clicks this menu, user can enter the "USB Preferences" menu as shown below and set the device connection related operation.

12:38	1:55 西 調	€ 1
Man Aun 2	← USB Preferences	Q
	USB	
Scan0Service 17m Scan0Service	USB CONTROLLED BY	
Scanner has been opened	O Connected device	
Silent notifications	This device	
(3) Android System • USB file transfer turned on V	USE USB FOR	
Manage	 File Transfer 	
📲 🗖 G 💌 🕨	O USB tethering	
Google Duo Google Assistant Play St.		
	О ртр	
	No data transfer	
G I		
< ◎ ■	◀	I

- 5) USB Preferences Setting Menu
 - USB Controlled By : Select the setting between "Connected Device" and "This device".
 - File Transfer : Transfers files to the connected device.
 - USB tethering : Shares the internet connection with the connected device.
 - MIDI : Plays music with the connected device.
 - PTP : Sends photos to the connected device.
 - No data transfer : Only charging without data transmission.

3. Display Settings

User can change settings related to the screen display in the display menu in settings.



1) Brightness level

When user touches the menu, a slide bar icon appears. User can adjust the brightness level of the LCD screen by moving this bar icon.



2) Night Light

With Night Light, the screen is illuminated with amber light, making it comfortable to view and read in dim light and reduces sleep disturbance effects.

3) Wallpaper

User can select the wallpaper for the home screen from the live wallpaper, the wallpaper provided by the device, or Photos.

4) Dark theme

If user set the dark theme, the default setting of the home screen is changed to dark color as shown below.



5) Screen timeout

User can set the time for the screen to automatically change to lock mode.

6) Advanced

If user touches this menu, the following additional setting menus are opened.

- Auto-rotate screen : If set this option, the screen will automatically change to landscape view when the device is placed parallel.
- Font size : User can set the size of the font that is displayed on the screen.
- **Display size** : Reduces or enlarges items displayed on the screen. The position of some apps on the screen may change.
- Screen Saver : User can set a screensaver.
- Lock screen display : User can set whether to display notifications or messages on the lock screen status.

4. Sound Settings

User can change settings such as the volume and vibration of sounds generated by the device in the Sound menu of Settings.

Menu \rightarrow 3 Settings \rightarrow 4 Sound

1) Volume Settings

User can adjust the media volume, Call volume, Ring volume, Alarm volume and more with the slide bar menu.

÷	Sound	۹
J	Media volume	•
r.	Call volume	-•
Ļ	Ring volume	-•
Ó	Alarm volume	-•

2) Vibrate for calls

This menu allows user to set the notification to vibrate when a call is received.

3) Do Not Disturb

If user do not want to be disturbed by device notifications, this menu allows user to temporarily limit receiving notifications and messages.

4) Shortcut to prevent ringing

Set the anti-ringing function to be set between "Vibrate" and "Mute" when the power and volume up buttons are pressed together.

5) Phone ringtone

User can specify the phone ringtone.

6) Default Notification Sound

User can specify a default notification sound.

7) Advanced

If user touches this menu, the following additional setting menus are opened.

- Dial pad tones
- Screen locking sounds
- Charging sounds and vibrations
- Touch sounds
- Touch vibration : Haptic feedback for tap, keyboard, and more
- Sound enhancement : Volume booster for speaker

5. Mobile Network Connection Settings

This reader supports mobile networks. Data transmission is possible through various WWAN network connections.

- 1) Mobile Network Connection
 - Correctly insert a valid SIM card into the SIM Card slot.
 - User can check the current mobile data network connection status through the icon in the quick settings menu.
 - If a valid SIM card is not installed, "No SIM card" is displayed. If a valid SIM card is installed, you can turn on the mobile network function by clicking the "Mobile data" icon.







2) If user press and hold the mobile network icon, user can enter the settings. It is possible to enter through the path below through the setting menu.



3) Mobile Data

Set whether to operate the mobile network.

6. Wi-Fi Settings

If user activates Wi-Fi function of device, data transmission is possible by connecting to a valid Wi-Fi network.

- 1) Activation of the Wi-Fi function
 - User can check the current Wi-Fi network connection status through the icon in the quick settings menu.
 - When the Wi-Fi network connection function is turned off, quick setting menu icon is displayed as 📀 .
 - If Wi-Fi network connection function is turned on, quick setting menu icon is changed to 🔽 .
- 2) If user press and hold the Wi-Fi icon, user can enter the settings. User can enter through the path below through the setting menu.

Menu \rightarrow 🔯 Setting \rightarrow \bigcirc Network & internet \rightarrow \bigcirc Wi-Fi

3) When entering the Wi-Fi setting mode, a list of accessible APs (Access Points) is displayed.

4) If user selects the AP that user wants to connect to, the security related items set in the AP are displayed. Enter valid information and click "Connect" to connect the device to the AP.

5:57 🔳	101	۵	5:57 🖬 🗘 🔤 🔂	⊕ ₿
÷	Wi-Fi	۹	← Wi-Fi Q ← Wi-Fi	۹
	Use Wi-Fi		Use Wi-Fi Use Wi-Fi	•
Ŷ	ATIDcorp Check password and try again	∂		۲
Ŷ	ATIDguest	⋳	ATIDmobiles	⋳
-	ATIDmobiles	⋳	Security WPA2-Personal Password	⋳
۲	olleh_WiFi_8C5B	ð		⋳
Ŷ	3S KOREA 2	ð	Structure and Structure as KOREA 2	⋳
$\widehat{\mathbf{v}}$	camelSales2G	⋳	⊂ Snow password ⊂ camelSales26	ß
$\widehat{\mathbf{v}}$	DasomComms	⋳	Advanced options	A
$\widehat{\mathbf{v}}$	DIRECT-39-SA SL-T1670W Series	ð	CANCEL CONNECT	A
$\widehat{\mathbf{v}}$	editor	⋳	HP-Print-E9-Officejet Pro 8610	A
$\widehat{\mathbf{v}}$	HP-Print-E9-Officejet Pro 8610	ð		Ð
$\widehat{\mathbf{v}}$	hyun_2G_Guest	⋳	KT_GIGA_Mesh_4DB6	0
0	KT CICA ADDE	0	KT_GIGA_Mesh_4DB6	Ċ
	◀			Ê

7. Bluetooth Settings

If user activates Bluetooth function of device, data transmission is possible by connecting to a valid Bluetooth device.

- 1) Activation of the Bluetooth function
 - User can check the current Bluetooth connection status through the icon in the quick settings menu.
 - When the Bluetooth function is turned off, quick setting menu icon is displayed as 🗱 .
 - If Bluetooth function is turned on, quick setting menu icon is changed to $\boxed{*}$.
- 2) If user press and hold the Bluetooth icon, user can enter the settings. User can enter through the path below through the setting menu.



- 3) Click "+ Pair new device" menu. Then, device start to search Bluetooth devices that are located close to device. Bluetooth devices must be requesting paring.
- 4) If there is a device nearby that is requesting pairing, it will be displayed in the "Available Devices" menu.
- 5) If user clicks the device user wants to connect to, the connection procedure will proceed, and if there is no problem, the pairing permission screen will appear.

6) Click "Pair" to complete pairing with the device, and the paired device is displayed in the "Previously connected devices" list.

6:11	0 10 10	₹	6:12	10 11	€ 0	6:14	E () 11		€ 0	6:14	5 Q 20			÷ (
÷	Connected devices	۹	÷	Pair new device	۹	÷	Pair new d	evice	۹	~	Connec	ted devices		۹
	CURRENTLY CONNECTED			Device name Android Bluedroid			Device name Android Bluedr				CURRENTLY	CONNECTED		
τţr	USB File transfer			Available devices	С		Available devic	es		ψ	USB File transf	er		
+	Pair new device			AT388-e19c						+	Pair new	device		
	PREVIOUSLY CONNECTED DEVICES		*	LE-Bose Free SoundSport		¢					PREVIOUSLY	CONNECTED DEVICES		
5	MAIMANGB	€	*	LE-reserved_C			Pair with AT3	88-e19c?		۰.	MAIMAN	G8		۲
>	See all		i	Phone's Bluetooth address: E4:9	9A:79:E4:16:C4		Bluetooth pairing of 192658	code			AT388-e1	9c		۲
	Connection preferences Bluetooth, NFC						Allow access	to your contacts a	and call history	>	See all			
(j)	Visible as "Android Bluedroid" to other devices					L	_	CANC	el Pair		Connection Bluetooth,	on preferences NFC		
										3	Visible as	"Android Bluedroid" to	other devices	5
	∢ () ■			•					-		•	۲		

The device name that requests pairing shown as an example differs depending on the device to be connected.

8. Other Settings

1) E Apps & notifications

User can check information about apps installed on the device and configure app notifications. User can also check information about recently launched apps.



2) 1 Battery

User can check the charging status of the device's battery and set the operation.

39 🖪 🗘 🕅 91 ← Battery Q : 100 % 4 Charging Apps are running normally Phone has typical background battery 0 Battery Saver Battery Manager On / Detecting when Battery percentage Last full charge 3 hours ad Screen usage since full charge 30 mi (i) ۲ •

3) 🗮 Storage

User can check the usage status of the internal storage space of the device.

6:42	0 10	Ŷ ()
←	Storage	۹
	11.24 GB Used of 64 GB FREE UP SPACE	18% used
=	Storage manager	
L	Photos & videos	0.16 GB
ď	Music & audio	0.09 GB
÷.*	Games	0.00 GB
1	Movie & TV apps	0.21 GB

4) \land Privacy

User can set the permissions of the app to protect the information stored on the device.

6:45 B	5 O 10	€ 8
÷	Privacy	۹
	Permission manager Apps using contacts, storage, and sms	
	Show passwords Display characters briefly as you type	•
	Lock screen Show all notification content	
	Autofill service from Google Saved passwords, credit cards, addresses	
~	Advanced Google location history, Activity controls, Ads, U	sa

5) 🤨 Location

User can configure the device's location information usage. User also can check and set permissions for apps with location information.

5:50 8	5 O 10	90
÷	Location	Q
	Use location	•
	RECENT LOCATION REQUESTS	
	No apps have requested location rec	ently
>	See all	
	App permission Location is off	
	Wi-Fi and Bluetooth scanning Both Wi-Fi and Bluetooth scanning are on	
~	Advanced Emergency Location Service, Google Loca	tion Acc.
1	Location may use sources like GPS, Wi-Fi mobile networks, and sensors to help est your device's location. Google may collec- location data periodically and use this da anonymous way to improve location acci location-based services.	mate la in an iracy and

6) 🖸 Security

User can check and change settings related to device security.

6:54 E	10 M	€
÷	Security	Q
	SECURITY STATUS	
\odot	Google Play Protect Apps scanned at 8:50 AM	
	Security update August 5, 2020	
0	Find My Device Location is off	
Ð	Google Play system update June 1, 2021	
	DEVICE SECURITY	
	Screen lock Swipe	
	Smart Lock To use, first set a screen lock	
	Device admin apps No active apps	
	Mobile anti-theft Lock the phone or wipe data remotely	

7) 🗵 Accounts

User can check the account information registered on the device and register a new account.



8) (i) System

User can check and change settings such as language and input device settings, date and time, reset options and developer options, etc.

 Z.05
 ■
 ●
 ■
 ●
 ■

 ←
 System
 Q

 ⊕
 Languages & input Oboard
 Q

 Ibo
 Gestures

 O
 Date & time OMT+00:00 Korean Standard Time

 ⊕
 Backup Off

 ✓
 Advarced Reset options, Multiple users, Developer options, S.

9) ETC

- Accessibility : Settings for device accessibility
- Digital Wellbeing & parental controls
- G Google
- **Q** DuraSpeed : Set whether to allow background operation of the app.
- About phone

9. Camera

AT907 is equipped with a 13-megapixel rear camera and a 5-megapixel front camera. User can take photos and videos through the built-in camera app. User can change settings such as brightness and resolution when shooting, and it also supports auto-focusing and flash functions.



Introduction to Barcode features

The AT907 comes with Zebra's high-performance 2D barcode engine. User can use the built-in demo application to collect 1D or 2D barcode data, or user can develop own application to collect barcode data.

1. Supported Barcode Symbologies

Barcode Type	Barcode Symbologies				
1D Symbologies	Code39, Code93, Code128, Codebar, EAN-13, EAN-8,UPC-A, UPC-E, ITF14, UCC/EAN-128, ITF25, Matrix25, EAN-128, ISBN, etc.				
2D Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QRcode, MicroQRcode, Aztec, MaxiCode, PostalCodes, USPostNet, USPlanet, UKPostal, AustralianPostal, JapanPostal, DutchPostal, etc.				

2. Barcode Aiming System

AT907 outputs LED beams and clear reference spots to aim and capture the barcode user wants to read accurately during barcode reading.



3. Barcode Demo Application

1) Running the barcode demo program

Run the "Scan0Service" app installed on the system. When executed, three selectable menu screens appear : "Scan", "Setting", and "Code".



2) Close Barcode demo app

When user closes the Barcode Demo app, ask if user wants to shut it down completely or run the app in the background.





The barcode demo app must always be turned on for barcode data collection.

3) Activation of the barcode function.

If "Scanner switch" in the "Settings" menu is marked "Closed", the barcode function is not enabled. To use the barcode function, user must activate the function by touching the switch on the right. Enabling the feature changes "Closed" to "Open" and enables the barcode feature.

Scan	Settings	Code	Scan	Settings	Code
Scanner switch			Scanner switch	_	
Scanner switch Closed			Scanner switch Opened	1	•

4) SCAN Menu

User can check the collected data at this menu. Click the "CLEAR" button to disappear the collected data. The collected data is displayed with information such as "Barcode Data", "Code ID", and "Count".

4:15 🖬 🛓 🎫 Scan	0Service v	1.10.3	ା (ମି
Scan			
Barcode		CodeID	Count
http://m.site.naver.	com/0q9EV	(0x1c)	4
978014311	7964	(0xb)	2
3456789012	2340	(0xb)	3
BC321		(0x1)	1
	CIEAD		
	OLEAR		
4	\odot		

5) Settings

User can change various settings related to barcode scanning behavior.

- Voice : User can set whether or not a beep occurs when reading a barcode.
- Vibrate : User can set whether or not a vibration occurs when reading a barcode.

- Illumination : User can set whether or not a enable LED beam for aiming when reading a barcode.
- Aiming Pattern : User can set whether or not the spot aiming function works.
- Filter invisible char : User can set whether to handle invisible characters of read data.
- Filter pre/suffix blank : User can set whether to handle spaces that stick before and after the read data.
- Decode Time Limit (ms) : Sets the amount of time to wait for the data to be read when the barcode function is activated. The set value can be set in "ms" unit. (ex. 1 second = 1000 ms).
- Result char set : You can choose between "UTF-8" and "gbk" how to output read data.
- Prefix : Enter a specific value to output the data by putting it in front of the read data.
- Suffix : Enter a specific value to output the data after the read data.
- Append ending char : Add specific actions after data output. Each movement is as follows.
 - ENTER : After outputting the data, change the line and output the following data.
 - TAB : After outputting data, add as much space as "TAB" and output the following data.
 - SPACE : After outputting data, add as much space as "Space" and output the following data.
 - NONE : After the data is output, no action is taken, followed by the data being output.
- Float Button : Activate the virtual button that can operate the barcode scanner as shown below. When activated, the virtual button is free to change its location and will always be visible even if user activate another app.



- Stop scan on up : When this option is enabled, the barcode scanner only works when the trigger button is pressed.
- Continuous Scanning : When this option is enabled, automatically and continuously activates the barcode scanner without pressing the button.
- Scanning Interval(ms) : If "Continuous Scan" option is enabled, user can set this option up. Sets the action interval for continuous actions. The set value can be set in "ms" unit.

- Input Configuration : User can set how read data is output.
 - Broadcast : Deliver read data wherever possible.
 - Focus : Outputs read data where the cursor is located.
 - EmuKey : Forward read data to EmuKey.
 - Clipboard : Forward read data to Clipboard.
- End char post on input : Unable to set
- Key Configuration : User can assign the barcode reading function to the keypad of the instrument. When displayed symbol by touching the checkbox, this means that the corresponding keypad has been assigned a barcode reading function. There are 3 keypads that can be set as shown below.

Key Configurat	ion
F1	
F2	
F3	
F4	
F5	
F6	
F7	

F3 : Side Key 1 (Left) F4 : Triger Key F5 : Side Key 2 (Right)

Except for the above 3 keys, the keys can be set, but they do not work. It doesn't matter if you don't set it up.

4. Developing Barcode function Applications

It is also possible for users to develop their own applications to collect barcode data. For more information, refer to the "Barcode Programming Guide" included in the SDK.

Introduction to UHF RFID Features

The AT907 features a UHF RFID module with powerful Impinj's R2000 chip and 4 dBi Circular Polarization Antenna. User can use the built-in demo application to collect UHF tag data, or user can develop own application to collect barcode data.



The UHF RFID feature has different hardware configurations or frequency settings depending on the country's frequency policy user want to use. Before using it, user needs to make sure that the instrument is properly set up.

1. UHF RFID Demo Application

1) Execution of the UHF RFID Demo Application

User can collect data from UHF tags with the UHF RFID demo program installed on your instrument.

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2) For detailed instructions on how to use the demo program, refer to the "RFID Demo User Guide" included in the SDK.

2. Development of UHF RFID Functional Applications

1) User can develop their own applications and collect barcode data.

2) ATID provides SDK (Software Development Kit) to support application development. The development environment of the SDK and the included items are as follows.

SDK Development Environment	Details			
Development Tool	Andorid Studio			
Development Language	JAVA			
SDK Package	Details			
Configuration				
Bin	Demo Application apk.			
Doc	Development documents such as user guides / manuals,			
	programmer guides, demo guides, etc.			
Lib	Library for application development (.aar files)			
Sample	Sample Code			

1 SDK can be updated without notice due to additional features, bug fixes, etc.

KEYBOARD WEDGE

The "KEYBOARD WEDGE" is an application that supports the ability to output captured data where the cursor is located. With the KEYBOARD WEDGE application, user can manage captured data using commercial data management programs without developing applications.



Barcode application supports similar features with the "FOCUS" feaure.

1. KEYBOARD WEGE Application Operation Screen

When the KEYBOARD WEGE function is activated, icon is displayed in the top notification bar. In the example below, when user place the cursor in the search bar and capture RFID tag data, captured RFID tag data is output to the search bar where the cursor is located.



2. Using the KEYBOARD WEGE Application

To use the KEYBOARD WEGE function, user needs to set the keyboard of the device to the KEYBOARD WEGE application. For more information, see the document "User Guide for Keyboard Wedge" included in the SDK.

Product Warranty

1. AT907 Product Details

For more information on product details AT907, please visit the address below.

http://www.atid1.com

2. SDK Download

If you need an AT907 SDK, please contact us or the place of purchase.

3. Warranty and Technical Support

All ATID products can be repaired free of charge for one year based on the product manufacturing date. However, in principle, any defects caused by customer carelessness in use shall be repaired even during the free repair period.

For warranty, technical support and inquiries on this product, please contact the distributor or ATID.

4. Certifications

This product is KC, FCC, CE and TELEC certified, but we are not responsible for any issues arising during use outside of the certified area.

For more information, please contact us or the place of purchase.

ATID

Address:#1402, 83, Gasan Digital-1ro, Geumcheon-gu, Seoul, Republic of Korea (Zip code. 08589)Phone:+82-2-544-1436Fax:+82-2-859-0045Homepage:www.atid1.comEmail:inguiry@atid1.com

The contents of the user manual are subject to change without notice for product specifications change or improvement.