

# RFID LF / HF Total Solution





# Company introduction

Asia Smart Tag Co., Ltd. was founded in 1986. Initially, the company focused on the research and development, as well as the manufacturing of RF remote control products, marketing both domestically and internationally. In 1997, the company established an RFID R&D department dedicated to the design and production of RFID-related products, including RFID tags, RFID labels, RFID antennas, and RFID Reader/Duplicator, among others. To this day, we continue to innovate and develop new products, aiming to provide our customers with even higher quality and satisfaction.

- 1986 - Asia Smart Tag Co., Ltd. was established.
- 1987 - Developed and produced automotive anti-theft systems, sold under ASTAG own brand in the market.
- 1991 - R&D, production, and sales of remote controls, electric roller shutter remote controls, and home security systems.
- 1992 - Developed a Duplicator Remote Controller.
- 1996 - Developed Hopping Code Remote Controller and a building parking management system.
- 1997 - Established RFID R&D department to produce RFID-related products.
- 1999 -1. Joined the Industrial Technology Research Institute's RFID industry alliance.  
2. Became an OEM manufacturer for AWID's overseas RFID products.
- 2001 - Factory production base moved to Taichung Industrial Zone.
- 2002 - Purchased chip encapsulation machines and laminating machines from Germany for automatic production of RFID label.
- 2003 - Expanded factory with an automatic production line for RFID label antennas.
- 2004 - Achieved ISO 9001 certification.
- 2007 - Obtained RFID Seal patent. Developed active RFID tags.
- 2008 - Became a semi-active OEM manufacturer for Power ID.
- 2011 - RFID Reader EMC certification.
- 2013 - Collaborated with FELICITY SCIENTIFIC CO.,LTD to develop high-frequency label for product traceability and cloud data database.
- 2017 - Developed RFID HF and UHF miniature metal tags for metal object management.
- 2018 - Develop active RFID.
- 2019 - Obtained Tainan oyster farm positioning and tracking winning a bid. Obtained the 2019 Taoyuan MRT RFID Tag winning a bid.
- 2020 - Obtained patent for RFID metal tags. Developed smart gaming machines.
- 2021 - Developed RFID smart electronic seals.
- 2022 -1. Obtain the invention patent for RFID (Radio Frequency Identification) device.  
2. Obtain the invention patent for embedding RFID tags in metal.  
3. Improved reading distance and object positioning for active RFID.  
4. Developed keyless products.
- 2023 -1. Obtain the invention patent for RFID identification device in the United States.  
2. Obtained the RFID Smart Seal ISO-17712:2013(E) certification.  
3. Design RFID Smart UHF Reader.  
4. Design BMS (Battery Management System).  
5. Design (Battery Pack).
- 2024 -1. Obtained invention RFID Smart Seal patent.  
2. Obtained new type patent for automatic access control unlocking systems.  
3. Obtained invention patent for individual encryption signature systems and methods.  
4. Obtained the RFID Tag patrol box of Changhua Police office winning a bid.  
5. Obtain a new patent for RFID UHF Reader.  
6. RFID Tag\Label FCC\CE certification.  
7. RFID Reader FCC\CE\NCC certification.  
8. ISO9001:2015 add battery system certification (design, sales, production).

# Outline



## 1. Professional RFID Label Solution Provider

Product Name	Page	Product Name	Page
● <b>HF Label</b>	P.1 ~ P.7	● <b>UHF Label</b>	P.12 ~ P.18
● <b>Metal Label (HF)</b>	P.7 ~ P.8	● <b>Metal Label (UHF)</b>	P.18 ~ P.19
● <b>Laundry Tag (HF)</b>	P.9	● <b>Laundry Tag (UHF)</b>	P.20
● <b>Anti-Theft Label (HF)</b>	P.10 ~ P.11	● <b>LED Label (UHF)</b>	P.20 ~ P.21
● <b>Temperature Label (HF)</b>	P.11	● <b>Anti-Theft Label (UHF)</b>	P.21
		● <b>Temperature Label (UHF)</b>	P.22
		● <b>E-Tag (UHF)</b>	P.23 ~ P.24

## 2. RFID LF / HF Total Solution

Product Name	Page	Product Name	Page
● <b>Key Fob and Token</b>	P.1 ~ P.4	● <b>Antenna</b>	P.11
● <b>Mini Tag</b>	P.5 ~ P.6	● <b>PCB Tag</b>	P.11
● <b>Screw Tag</b>	P.6	● <b>Wristband</b>	P.12
● <b>Glass Tag</b>	P.7	● <b>Module</b>	P.13 ~ P.21
● <b>Proximity Card</b>	P.8	● <b>Reader</b>	P.22 ~ P.28
● <b>Epoxy Tag</b>	P.9 ~ P.10	● <b>Facial Recognition</b>	P.29 ~ P.30
● <b>NFC Battery-Free Cabinet Lock</b>	P.10	● <b>Handheld RFID Reader</b>	P.31 ~ P.32

## 3. RFID UHF Total Solution & License Plate Recognition

Product Name	Page	Product Name	Page
● <b>Key Fob</b>	P.1	● <b>RFID Seal</b>	P.6 ~ P.8
● <b>Metal Tag</b>	P.2 ~ P.3	● <b>Module</b>	P.9
● <b>Screw Tag</b>	P.3	● <b>Dual-Band Reader &amp; UHF Reader</b>	P.10 ~ P.17
● <b>Metal LED Tag</b>	P.4	● <b>UHF Antenna</b>	P.18 ~ P.20
● <b>Temperature Tag</b>	P.4	● <b>Handheld RFID Reader</b>	P.21 ~ P.22
● <b>Proximity Card</b>	P.5 ~ P.6	● <b>License Plate Recognition</b>	P.23 ~ P.24

## 4. Hopping Code Roller Shutter Remote Controller

Product Name	Page
● <b>Lane Gate Control Receiver and Transmitter</b>	P.2 ~ P.3
● <b>Hopping Code Remote Controller (388 Series)</b>	P.4 ~ P.5
● <b>Roller Shutter Motor Receiver</b>	P.6
● <b>Hopping Code Remote Controller (268 Series)</b>	P.6 ~ P.7
● <b>WiFi Roller Shutter Controller</b>	P.8 ~ P.9
● <b>Transmitter and Remote Control Duplicator</b>	P.10 ~ P.11
● <b>RFID Duplicator</b>	P.12

# RFID Key Fob

LF

HF



	Low Frequency	High Frequency
Model	PTL-B7B	PTH-B7B
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	12 cm	5 cm
Test Reader	PRL-578	PRH-566
Size	50.7 x 35.2 x 4.3 mm(L x W x H)	
Material	ABS 、 Keychain 、 Metal	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	



	Low Frequency	High Frequency
Model	PTL-B7A	PTH-B7A
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	15 cm	5 cm
Test Reader	PRL-578	PRH-566
Size	56 x 26 x 4.7 mm(L x W x H)	
Material	ABS 、 Keychain 、 Metal	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	



	Low Frequency	High Frequency
Model	PTL-07U	PTH-07U
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	15 cm	5 cm
Test Reader	PRL-578	PRH-566
Size	37 x 34.5 x 4mm(L x W x H)	
Material	ABS 、 Keychain	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	

LF

HF

# RFID Key Fob



	Low Frequency	High Frequency
Model	PTL-07K	PTH-07K
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	15 cm	5 cm
Test Reader	PRL-578	PRH-566
Size	28 x 44.6 x 6.24 mm(L x W x H)	
Material	ABS 、 Keychain 、 Metal	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	



	Low Frequency	High Frequency
Model	PTL-07A	PTH-07A
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	15 cm	5 cm
Test Reader	PRL-578	PRH-566
Size	38.6 x 34.5 x 6.5 mm (L x W x H)	
Material	ABS 、 Keychain	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	

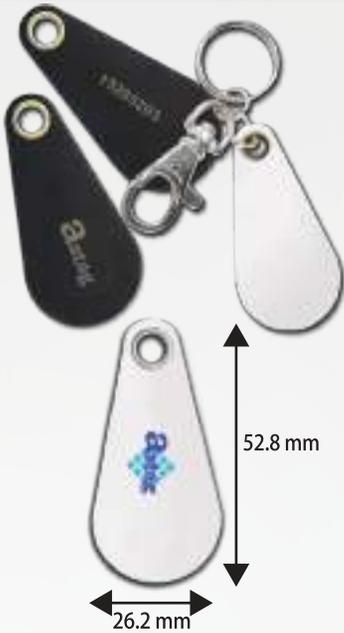


	Low Frequency	High Frequency
Model	PTL-07F	PTH-07F
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	12 cm	5 cm
Test Reader	PRL-578	PRH-566
Size	36.4 x 30.1 x 7.45 mm(L x W x H)	
Material	ABS 、 Keychain	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	

# RFID Key Fob

LF

HF



	Low Frequency	High Frequency
Model	PTL-07C	PTH-07C
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	7 cm	4 cm
Test Reader	PRL-578	PRH-566
Size	52.8 x 26.2 x 1.5mm(L x W x H)	
Material	PVC 、Keychain	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	



	Low Frequency	High Frequency
Model	PTL-07G	PTH-07G
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	12 cm	5 cm
Test Reader	PRL-578	PRH-566
Size	37.3 x 30.6 x 5.1 mm(L x W x H)	
Material	ABS 、Keychain	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	



	Low Frequency	High Frequency
Model	PTL-07T	PTH-07T
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	9 cm	4 cm
Test Reader	PRL-578	PRH-566
Size	30 x 40 x 5mm (L x W x H)	
Material	ABS 、Keychain	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	

LF

HF

# RFID Key Fob

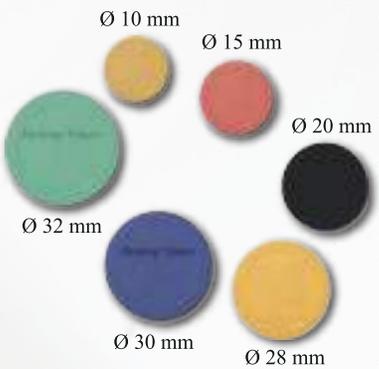


	Low Frequency	High Frequency
Model	PTL-07H	PTH-07H
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	15 cm	8 cm
Test Reader	PRL-578	PRH-566
Size	50.5 x 31.5 x 9.5 mm(L x W x H)	
Material	ABS · Keychain	
Customized	Laser carving · Inkjet printing · Color printing · Programming	
Certificate	FCC · CE	
Country of origin	Made in Taiwan	

LF

HF

# RFID Token



	Low Frequency	High Frequency
Model	PTL-07M	PTH-07M
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	5 ~ 12 cm	3 ~ 5 cm
Test Reader	PRL-578	PRH-566
Size	Ø10 mm · Ø15 mm · Ø20 mm · Ø28 mm · Ø30 mm · Ø32 mm	
Material	ABS · Waterproof	
Customized	Laser carving · Inkjet printing · Color printing · Programming · Stick	
Certificate	FCC · CE	
Country of origin	Made in Taiwan	



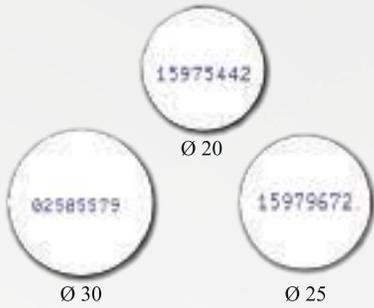
Ø20 mm Thickness : 3.3mm  
Ø30 mm Thickness : 2.1mm

	Low Frequency	High Frequency
Model	PTL-07L	PTH-07L
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	5 ~ 12 cm	5 cm
Test Reader	PRL-578	PRH-566
Size	Ø20 mm · Ø30 mm	
Thickness	3mm	2.1mm      3.3mm
Material	ABS · Waterproof	
Customized	Laser carving · Inkjet printing · Color printing · Programming · Stick	
Certificate	FCC · CE	
Country of origin	Made in Taiwan	

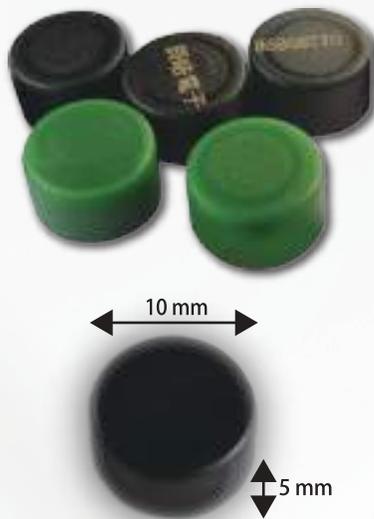
# RFID Mini Tag

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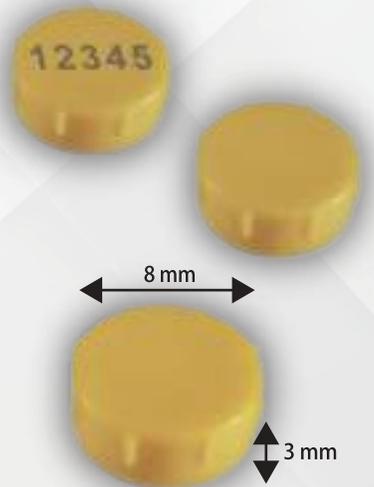
HF



	Low Frequency	High Frequency
Model	PTL-07E	PTH-07E
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	5 ~ 12 cm	3 ~ 6 cm
Test Reader	PRL-578	PRH-566
Size	Ø20 mm · Ø25 mm · Ø30 mm	
Material	PVC · Stick	
Customized	Laser carving · Inkjet printing · Color printing · Programming · Stick	
Certificate	FCC · CE	
Country of origin	Made in Taiwan	



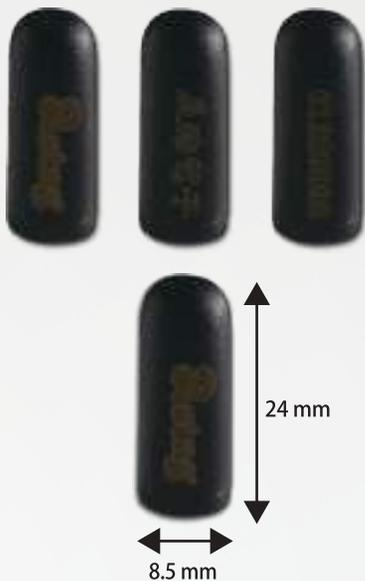
	Low Frequency	High Frequency
Model	PTL-07Q	PTH-07Q
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	6 cm	3 cm
Test Reader	PRL-578	PRH-566
Size	10 x 5 mm	
Material	ABS · Waterproof	
Customized	Laser carving · Inkjet printing · Color printing · Programming · Anti-metal	
Certificate	FCC · CE	
Country of origin	Made in Taiwan	



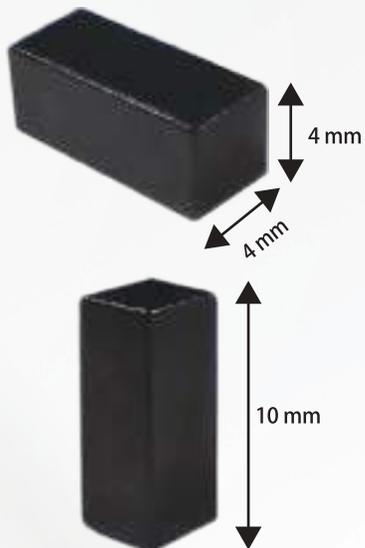
	Low Frequency	High Frequency
Model	PTL-07S	PTH-07S
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	3 cm	1 cm
Test Reader	PRL-578	PRH-566
Size	8 x 3 mm	
Material	ABS · Waterproof	
Customized	Laser carving · Inkjet printing · Color printing · Programming · Anti-metal	
Certificate	FCC · CE	
Country of origin	Made in Taiwan	

**LF** **HF**

# RFID Mini Tag



	Low Frequency	High Frequency
Model	PTL-07O	PTH-07O
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	8 cm	3 cm
Test Reader	PRL-578	PRH-566
Size	8.5 x 24 mm	
Material	ABS 、 Waterproof	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	



	Low Frequency	High Frequency
Model	PTL-07R	PTH-07R
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	2 cm	1 cm
Test Reader	PRL-578	PRH-566
Size	10 x 4 x 4mm(L x W x H)	
Material	ABS 、 Waterproof	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	

**LF** **HF**

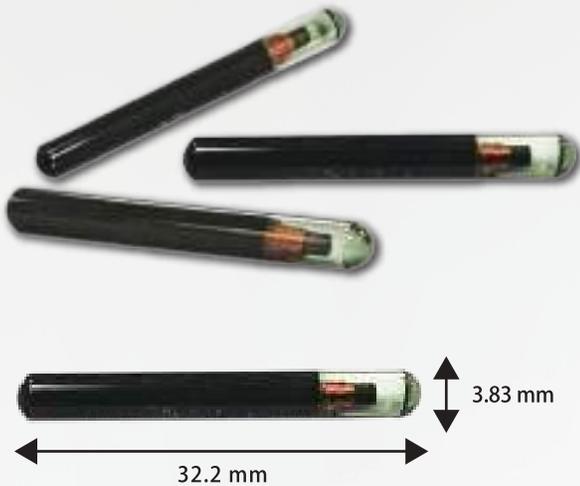
# RFID Screw Tag



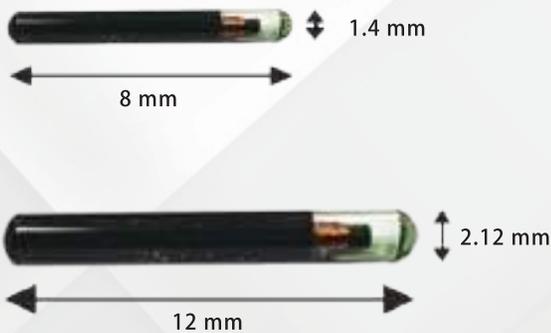
	Low Frequency	High Frequency
Model	PTL-M7	PTH-M7
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	5 cm	3 cm
Test Reader	PRL-578	PRH-566
Size	16 x 16 mm	
Material	ABS 、 Waterproof	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	

# RFID Glass Tag

LF



Low Frequency	
Model	1PTL-Q7-Q3R8032
Frequency band	134.2 KHz
ISO standard	ISO 11784/11785
Memory	1360 bits
Transmission	Half-Duplex
Modulation	FSK (Frequency-Shift Keying)
Support	SEMI E144-0312
Operating temperature	-25°C ~ 85°C
Reading distance	10 ~ 15 cm
Test Reader	PRL -288
Size	32.2 x 3.83 mm (L x Ø)
Material	Glass
Application	1. Wafer Carrier Tracking 2. Semiconductor Industry 3. Data Access Management
Certificate	FCC · CE
Country of origin	Made in Taiwan



Low Frequency	
Model	1PTL-Q7-Q1R4008 / 1PTL-Q7-Q2R1012
Frequency band	134.2 KHz
ISO standard	ISO 11784/11785
Reading distance	15 ~ 20 cm
Size	8 x 1.4 mm (L x Ø)      12 x 2.12 mm (L x Ø)
Color	Black
Material	Biochemical glass
Waterproof	IP68
Operating temperature	-25°C ~ 85°C
Storage temperature	-40°C ~ 125°C
Application	Animal management
Certificate	FCC · CE
Country of origin	Made in Taiwan



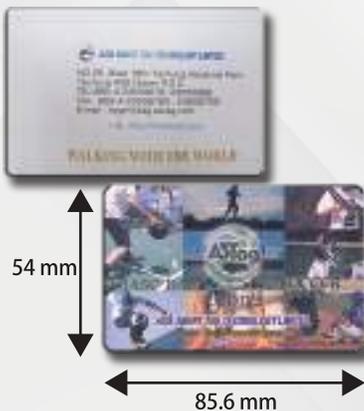
# RFID Proximity Card



	Low Frequency	High Frequency
Model	PCL-06	PCH-06
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	12 cm	6 cm
Test Reader	PRL-578	PRH-566
Size	85.6 x 54 x 0.8 mm(L x W x H)	
Material	PVC 、 PETG	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	



	Low Frequency	High Frequency
Model	PCL-05	PCH-05
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	15 cm	8 cm
Test Reader	PRL-578	PRH-566
Size	85.6 x 54 x 1.9 mm(L x W x H)	
Material	PVC + ABS	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	



	High Frequency
Model	Paper Card
Frequency band	13.56 MHz
IC	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	6 cm
Test Reader	PRH-566
Size	85.6 x 54 x 0.8 mm(L x W x H)
Material	Paper
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming
Certificate	FCC 、 CE
Country of origin	Made in Taiwan

# RFID Epoxy Tag

LF

HF



	Low Frequency	High Frequency
Model	PCL-16L	PCH-16L
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	10 cm	5 cm
Test Reader	PRL-578	PRH-566
Size	42 x 26 x 3 mm(L x W x H)	
Material	PVC + Poly	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	



	Low Frequency	High Frequency
Model	PCL-16C	PCH-16C
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	10 cm	5 cm
Test Reader	PRL-578	PRH-566
Size	45 x 25 x 3 mm(L x W x H)	
Material	PVC + Poly	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	



	Low Frequency	High Frequency
Model	PCL-16F	PCH-16F
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	15 cm	3 cm
Test Reader	PRL-578	PRH-566
Size	52 x 25 x 3 mm(L x W x H)	
Material	PVC + Poly	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	

LF

HF

## RFID Epoxy Tag



	Low Frequency	High Frequency
Model	PCL-16G	PCH-16G
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	10 cm	5 cm
Test Reader	PRL-578	PRH-566
Size	55 x 27 x 3 mm(L x W x H)	
Material	PVC + Poly	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	

HF

## NFC Battery-Free Cabinet Lock



### 1. RL11361 | NFC 無電源櫥櫃鎖 (NFC Battery-Free Cabinet Lock)

#### 核心特色:

- 廣泛適用: 支援門厚 1~19mm, 適用於各種標準櫥櫃。
- 靈活安裝: 相容於左開及右開門設計。
- 直覺操作: 感應後轉動扭頭即可開啟, 關門後感應即刻上鎖。

#### Key Features:

- Versatile Fit: Designed for door thicknesses from 1mm to 19mm.
- Flexible Orientation: Compatible with both left-hand and right-hand opening doors.
- Intuitive Operation: Rotate the knob to open after sensing; re-scan to lock securely.

### 2. RL11362 | NFC 無電源櫥櫃鎖 (NFC Battery-Free Cabinet Lock)

#### 核心特色:

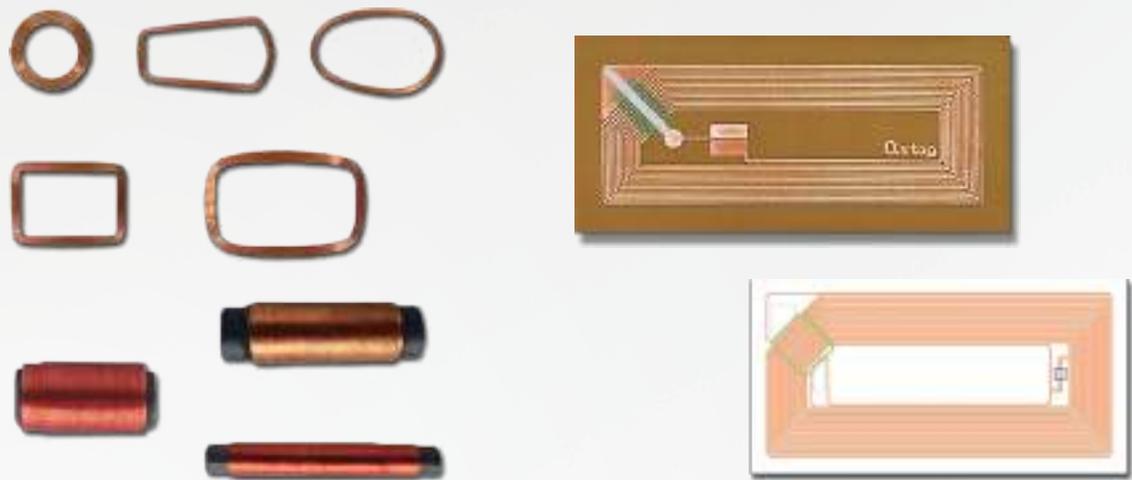
- 標準化規格: 採用標準 16-19mm 安裝孔, 輕鬆替換傳統鎖具。
- 靈活安裝: 適用門厚範圍達 1~29mm, 擴展應用場景。
- 簡易鎖控: 轉動鎖具即可切換開關狀態, 安全盡在掌握。

#### Key Features:

- Standard Installation: Fits standard 16-19mm mounting holes for easy retrofitting.
- Extended Range: Ideal for thicker doors ranging from 1mm to 29mm.
- Simple Control: Rotate the lock body to the unlock position; re-scan to confirm locking.

# RFID Antenna

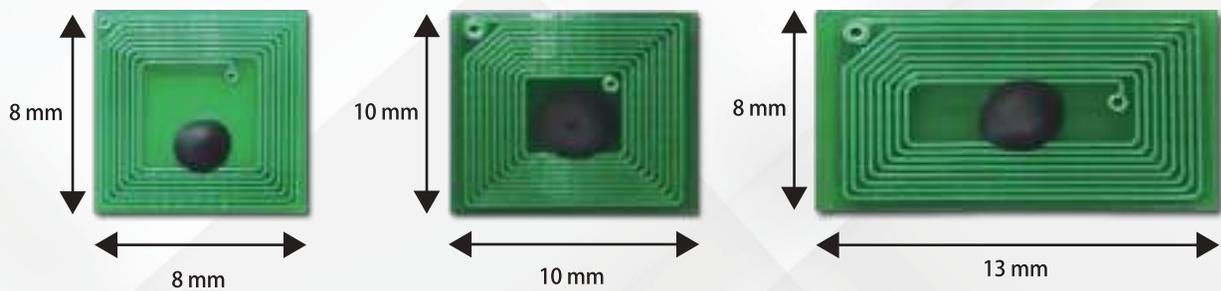
LF HF



	Low Frequency	Low Frequency	High Frequency
Model	Air-core coil antenna	R-rod antenna	Flexible Antenna
Frequency band	125 KHz	134 KHz	13.56 MHz
Material	Copper / Copper + PET / Copper + Pi		
Customization	Appearance 、 Dimensions 、 Inductance 、 Wire diameter		
Country of origin	Made in Taiwan		

# RFID PCB Tag

HF



	High Frequency
Model	PCB Tag
Frequency band	13.56 MHz
IC	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO-14443A / ISO-14443B / ISO 15693
Size	Can customize
Material	FR4
Certificate	FCC 、 CE
Country of origin	Made in Taiwan

LF

HF

## RFID Wristband

Low Frequency

High Frequency

	Low Frequency	High Frequency
Model	PWL-18A1	PWH-18A1
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	10 cm	3 ~ 5 cm
Test Reader	PRL-578	PRH-566
Size	178 x 36.4 x 20mm(L x H x W)	
Material	ABS 、 PVC 、 Fabric 、 Velcro 、 Waterproof	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	



Low Frequency

High Frequency

	Low Frequency	High Frequency
Model	PWL-18C1	PWH-18C1
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	10 cm	3 ~ 5 cm
Test Reader	PRL-578	PRH-566
Size	360 x 16 x 20mm(L x H x W)	
Material	ABS 、 Fabric 、 Silicone 、 Velcro 、 Waterproof	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	



Low Frequency

High Frequency

	Low Frequency	High Frequency
Model	PWL-08F	PWH-08F
Frequency band	125 KHz	13.56 MHz
IC	EM- series / Temic5577 Silic5777 / HiTag series	Mifare standard series / I-Code series Mifare desfire series / NFC series / ST25T series
ISO standard	ISO 11785	ISO-14443A / ISO-14443B / ISO 15693
Reading distance	10 cm	3 ~ 5 cm
Test Reader	PRL-578	PRH-566
Size	178 x 36.4 x 20mm(L x H x W)	
Material	Silicone 、 Waterproof	
Customized	Laser carving 、 Inkjet printing 、 Color printing 、 Programming	
Certificate	FCC 、 CE	
Country of origin	Made in Taiwan	



# RFID Module

LF

- Model:PML-3220
- Frequency Band:125KHz
- Baud-Rate:9600, N, 8, 1 (customizable)
- Power Supply:DC5V
- Dynamic mode:93 mA
- Size:32 x 23.6 x 2.7mm (L x W x H)
- Customizable.
- Country of origin:Made in Taiwan



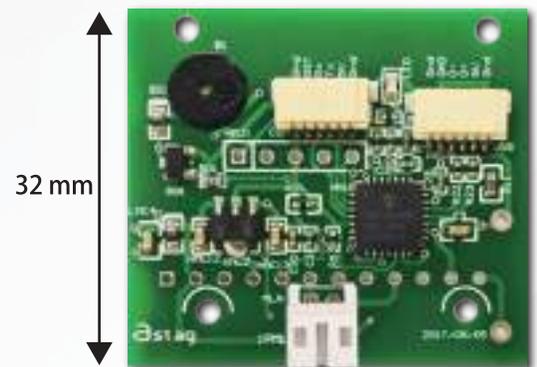
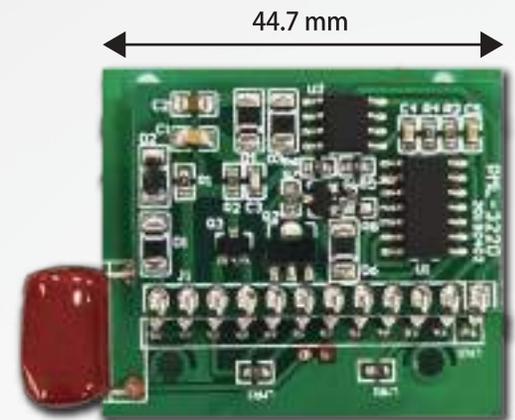
PIN	Description	Pin name	Function	Min	Typ	Max	Unit
1	Data output supply	DATA	Digital output from demodulation	3	5	5.5	V
2	Voltage(1)	VCC	Suppl vottage for digital circuit	3	5	5.5	V
3	Input frequency	OSC-IN	Reference frequency to internal circuit		4M		Hz
4	Ground(1)	GND(1)	Digital ground				V
5	Modularion input	WRITE	VL<0.3V, VH>VCC		5		V
6	Deliver output(1)	LT1			VDD-0.6V		V
7	Supply voltage(2)	VDD	Supply voltage for analog circuit	3	9	12	V
8	Deliver input(1)	RT1		120	560	1.5K	
9	Deliver output(2)	LT2			VDD-0.6V		V
10	Deliver input(2)	RT2	Same as RT1				
11	Ground(2)	GND(2)	Analog ground				V
12	RF input	RF-IN	Resonent input	20Vp-p		450Vp-p	V

## Purpose:

WFE-125K-xx series provide either single direction or bidirection communication through contactless radio frequency (RF) wave. Amplitude Shift Keying (ASK) mode is employed as a modulation method to carrier signal in a radio frequency of 125K Hz. It is used to accomplish actual modulation of signal transmission from a tag to a reader in a speed fallen in 1K bit to 4K bit per second.

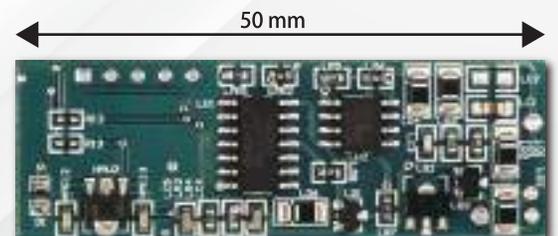
## Features:

- Model:PMLDD12KBU
- Frequency Band:125 KHz
- Protocol:ISO 11785
- Interface:UART\USB-HID\USB Keyboard wedge
- Power Supply:DC 5V
- Reading Distance:10 cm
- Size:44.7 x 32.0 x 9.9 mm (L x W x H)
- Supports:These interfaces allow the module to communicate with external devices such as computers (Windows 10/11), microcontrollers, or network servers.
- Other Supports:Reader/Write, EM Standard Series.
- Advantages:The antenna's design influences the module's read range and performance.
- Applications:Identity recognition, access management, access control.
- Customizable.
- Country of origin:Made in Taiwan



## Features:

- Model:PMLDD12K\_APL
- Frequency Band:125 KHz
- Protocol:ISO 11785
- Interface:USB-HID\USB Keyboard wedge
- Power Supply:DC 5V
- Reading Distance:10 cm
- Size:50 x 16.5 x 7.6 mm (L x W x H)
- Supports:EM Standard Series. These interfaces allow the module to communicate with external devices such as computers (Windows 10/11), microcontrollers, or network servers.
- Other Supports:It is small in size and can be placed inside a computer screen or tablet for induction use.
- Advantages:The antenna's design influences the module's read range and performance.
- Applications:Identity recognition, access management, access control.
- Customizable.
- Country of origin:Made in Taiwan

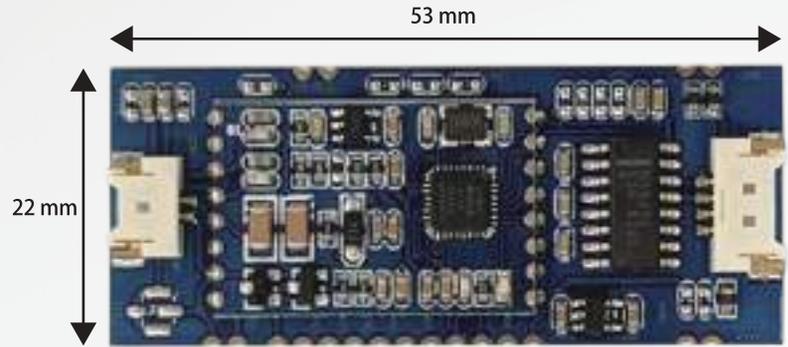


# RFID Module

LF

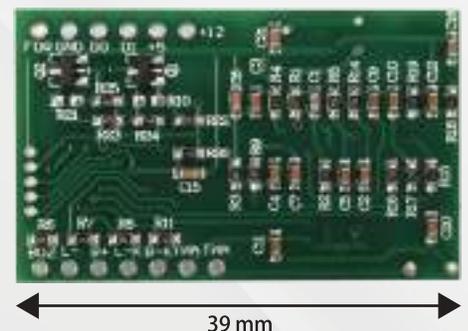
## Features:

- Model:PML-HTG2-B
- Frequency Band:125 KHz / 134.2 KHz
- Protocol:ISO 11784/11785
- Interface:RS-232
- Power Supply:DC 3.3V~5V
- Reading Distance:3~7 cm
- Size:53 x 22 x 5 mm (L x W x H)
- Supports:These interfaces allow the module to communicate with external devices such as computers (Windows 10/11), microcontrollers, or network servers.
- Other Supports:Support to Read/write Hitag 1 Tag, Hitag S64/ 256/2048 animal tag, UID,EM standard series.
- Advantages:The antenna's design influences the module's read range and performance.
- Applications:Identity recognition, access management, access control.
- Customizable.
- Country of origin:Made in Taiwan



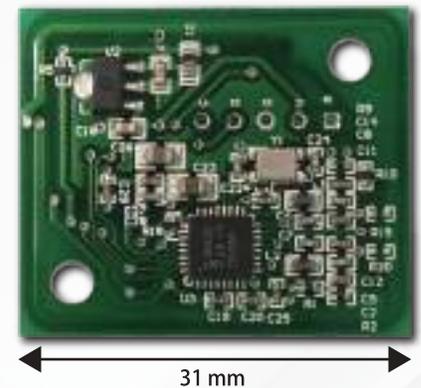
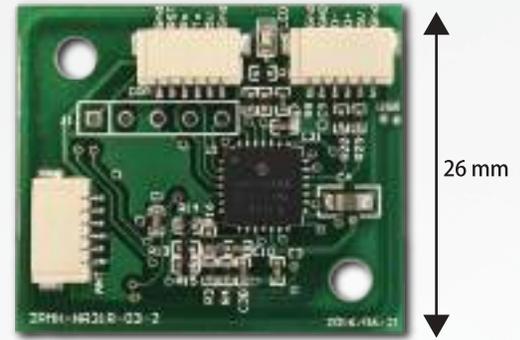
## Features:

- Model:PML-HH12-R
- Frequency Band:125 KHz
- Interface:Wiegand、UART
- Power Supply:DC 9~15V
- Reading Distance:8 cm
- Size:39 x 23.5 x 5 mm (L x W x H)
- Supports:These interfaces allow the module to communicate with external devices such as computers (Windows 10/11), microcontrollers, or network servers.
- Other Supports:HID standard card.
- Advantages:The antenna's design influences the module's read range and performance.
- Applications:Access control, attendance management, parking lot management.
- Customizable.
- Country of origin:Made in Taiwan



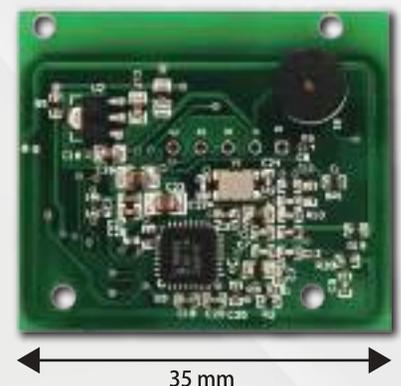
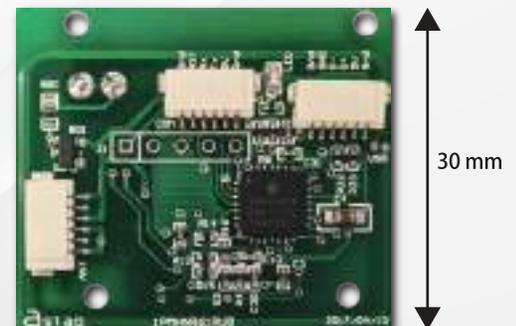
## Features:

- Model:PMHNR31R-03-2
- Frequency Band:13.56 MHz
- Protocol:ISO-14443A/B/C·ISO-15693
- Interface:UART·USB-HID·USB Keyboard wedge·USB-CCID
- Power Supply:DC 5V
- Reading Distance:5 cm (Antenna: Can be built-in or external)
- Size:31 x 26 x 5.5 mm (L x W x H)
- Supports:These interfaces allow the module to communicate with external devices such as computers (Windows 10/11), microcontrollers, or network servers.
- Support IC:Mifare standard series·Mifare desfire series·I-Code series·NFC series.
- Data Reading:Read/Write.
- Applications:Access control, inventory management, asset tracking. Can be used in health facility, industries and other places.
- Customizable.
- Country of origin:Made in Taiwan



## Features:

- Model:PMHNR61RUB
- Frequency Band:13.56 MHz
- Protocol:ISO-14443A/B/C·ISO-15693
- Interface:UART·USB-HID·USB Keyboard wedge·USB-CCID
- Power Supply:DC 5V
- Reading Distance:5 cm
- Size:35 x 30 x 5.8 mm (L x W x H)
- Supports:These interfaces allow the module to communicate with external devices such as computers (Windows 10/11), microcontrollers, or network servers.
- Support IC:Mifare standard series·Mifare desfire series·I-Code series·NFC series.
- Other Supports:Reader/Write·Buzzer·Can External Antenna connection·On-board Antenna.
- Applications:Access control, inventory management, asset tracking. Can be used in health facility, industries and other places.
- Customizable.
- Country of origin:Made in Taiwan

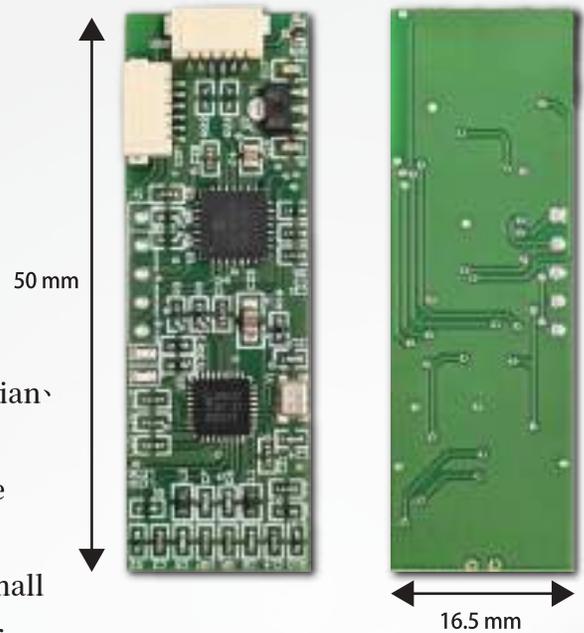


# RFID Module

HF

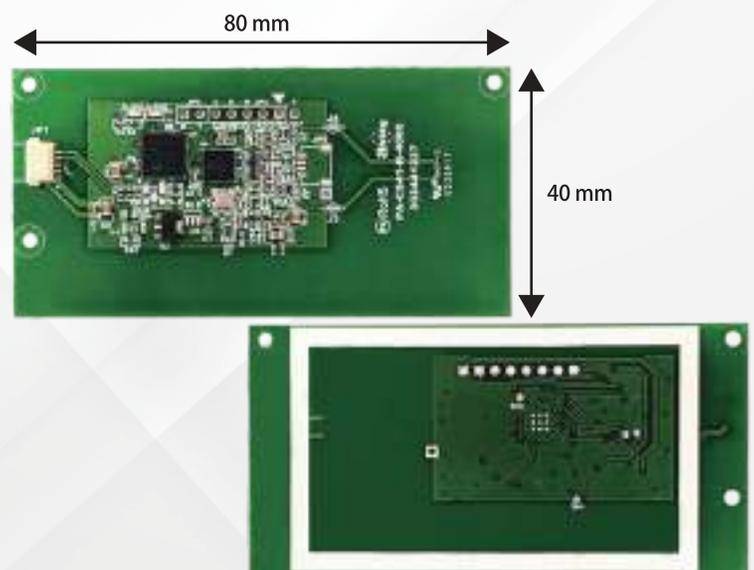
## Features:

- Model: PMHNR32K\_APL
- Frequency Band: 13.56 MHz
- Protocol: ISO-14443A/B/C · ISO-15693
- Interface: UART · USB-HID · USB-CCID · USB Keyboard wedge
- Power Supply: DC 5V
- Reading Distance: 5 cm
- Size: 50 x 16.5 x 4.0 mm (L x W x H)
- Language Supports: English · Germany · French · Netherland · Italian · Spanish · Dutch · Swedish · Danish · Portuguese.
- Support IC: Mifare standard series · Mifare desfire series · I-Code series · NFC series.
- Other Supports: Can External Antenna · LED connection. It is small in size and can be placed inside a computer screen or tablet for induction use.
- Software Supports: Windows 10/11
- Applications: Access control, inventory management, asset tracking. Can be used for medical device and Industrial PC.
- Customizable.
- Country of origin: Made in Taiwan



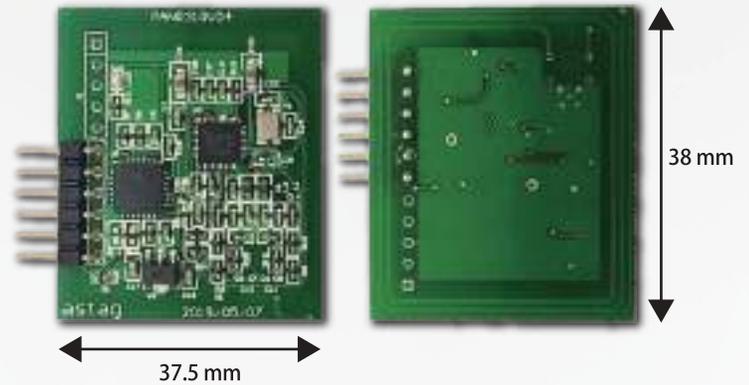
## Features:

- Model: PMH-CS41-R-4080
- Frequency Band: 13.56 MHz
- Protocol: ISO-14443A/B/C · ISO-15693
- Interface: UART
- Power Supply: DC 5V
- Reading Distance: 5 cm
- Size: 80 x 40 x 3 mm (L x W x H)
- Supports: These interfaces allow the module to communicate with external devices such as computers (Windows 10/11), microcontrollers, or network servers.
- Support IC: Mifare standard series · Mifare desfire series · I-Code series · NFC series.
- Other Supports: Can External Antenna connection · LED · On-board Antenna.
- Advantages: This frequency range offers a good balance between read range and interference resistance.
- Applications: Can read passport, ID card, driving license, and can be used for medical device and POS (point of sale) system.
- Customizable.
- Country of origin: Made in Taiwan



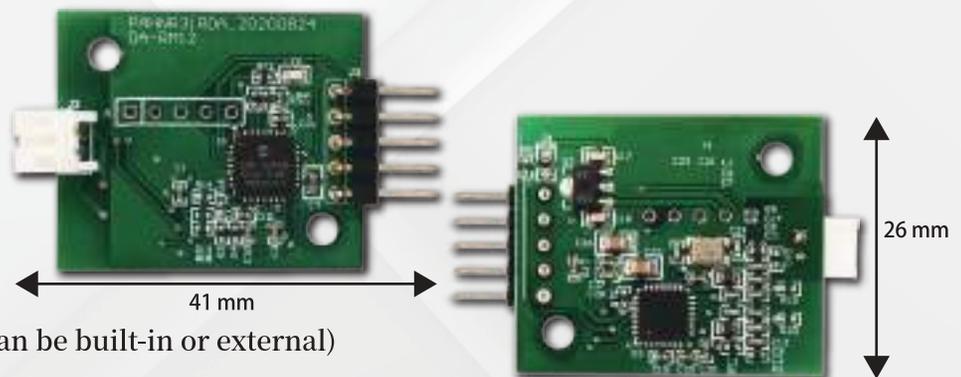
## Features:

- Model:PMHNR31RV04
- Frequency Band:13.56 MHz
- Protocol:ISO-14443A/B/C·ISO-15693
- Interface:UART
- Power Supply:DC 5V
- Reading Distance:5 cm
- Size:38 x 37.5 x 3.7 mm (L x W x H)
- Supports:These interfaces allow the module to communicate with external devices such as computers (Windows 10/11), microcontrollers, or network servers.
- Support IC:Mifare standard series·Mifare desfire series·I-Code series·NFC series.
- Data Reading:Read/Write.
- Other Supports:Can External Antenna·LED connection / On-board Antenna.
- Advantages:This frequency range offers a good balance between read range and interference resistance.
- Applications:Access control, inventory management, asset tracking.
- Customizable.
- Country of origin:Made in Taiwan



## Features:

- Model:PAHNR31R\_DA
- Frequency Band:13.56 MHz
- Protocol:ISO-14443A/B/C·ISO-15693
- Interface:UART
- Power Supply:DC 5V
- Reading Distance:10cm (Antenna: Can be built-in or external)
- Size:41 x 26 x 8.2mm (L x W x H)
- Supports:These interfaces allow the module to communicate with external devices such as computers (Windows 10/11), microcontrollers, or network servers.
- Support IC:Mifare standard series·Mifare desfire series·I-Code series·NFC series.
- Data Reading:Read/Write.
- Other Supports:Can External Antenna·LED connection.
- Advantages:This frequency range offers a good balance between read range and interference resistance.
- Applications:Access control, inventory management, asset tracking.
- Customizable.
- Country of origin:Made in Taiwan

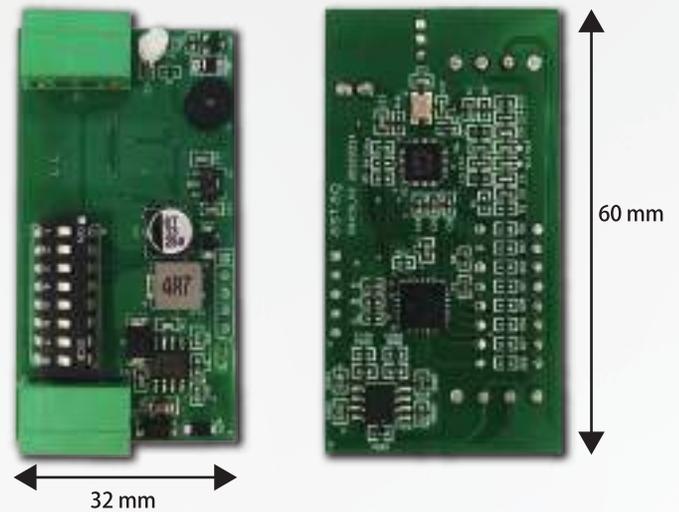


# RFID Module

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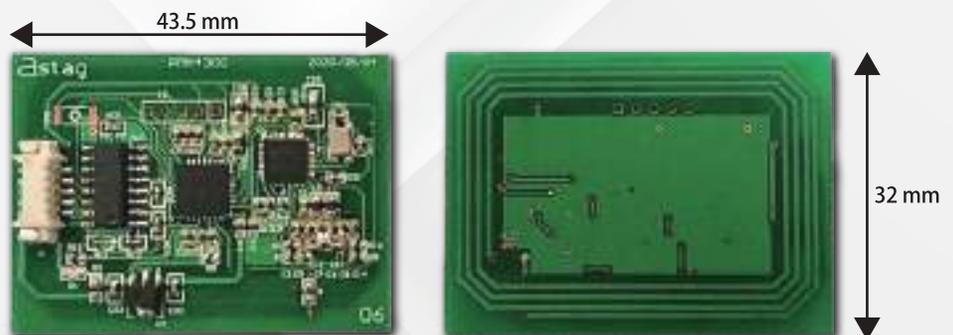
## Features:

- Model:PMHNR32DBUV1
- Frequency Band:13.56 MHz
- Protocol:ISO-14443A/B/C·ISO-15693
- Interface:RS-485
- Power Supply:DC 12V~24V
- Reading Distance:5 cm
- Size:60 x 32 x 15.5 mm (L x W x H)
- Supports:These interfaces allow the module to communicate with external devices such as computers (Windows 10/11), microcontrollers, or network servers.
- Support IC:Mifare standard series·Mifare desfire series·I-Code series·NFC series.
- Other Supports:Can External Antenna·Buzzer connection /
- Station Number-connect 255 station. / Terminal block pitch 3.5mm.
- Applications:Industrial Control, Production Automation, Station Number management, storage cabinet management.
- Customizable.
- Country of origin:Made in Taiwan



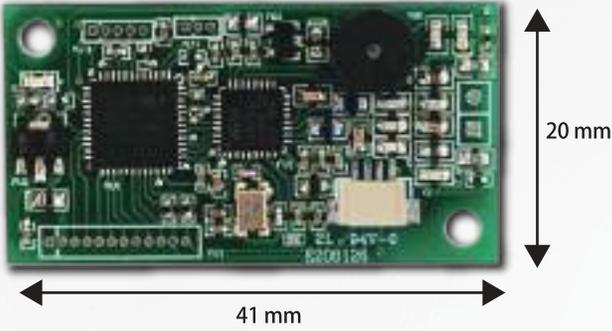
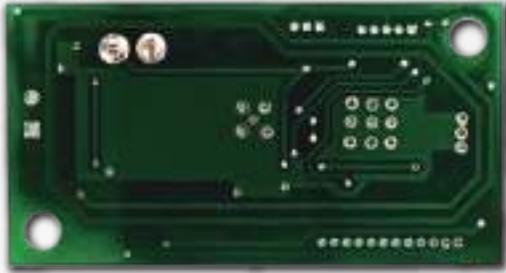
## Features:

- Model:PMH4300
- Frequency Band:13.56 MHz
- Protocol:ISO-14443A/B/C·ISO-15693
- Interface:RS-232
- Power Supply:DC 5V
- Reading Distance:5 cm
- Size:43.5 x 32 x 4.4 mm (L x W x H)
- Supports:These interfaces allow the module to communicate with external devices such as computers (Windows 10/11), microcontrollers, or network servers.
- Other Supports:Can External Antenna·LED connection / On-board Antenna.
- Advantages:This frequency range offers a good balance between read range and interference resistance.
- Applications:Access control, inventory management, asset tracking.
- Customizable.
- Country of origin:Made in Taiwan



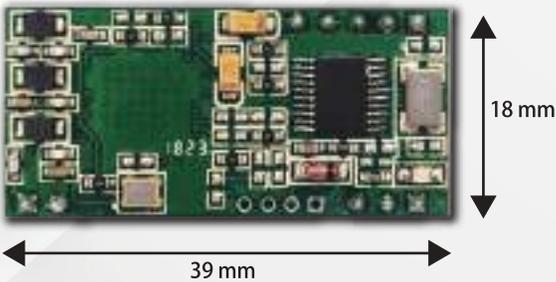
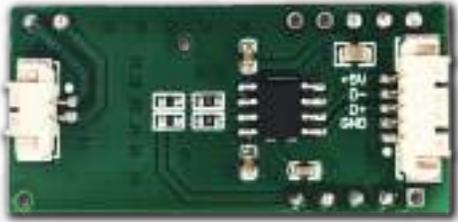
Features:

- Model:PMH-566
- Frequency Band:13.56 MHz
- Power Supply:DC 5V
- Protocol:ISO-14443A/B/C·ISO-15693
- Reading Distance:5 cm
- Interface:UART·USB-HID·SPI·I2C
- Size:20 x 41 x 8 mm (L x W x H)
- Supports:Reader/Write·Can External Antenna·Buzzer·LED connection / On-board Antenna.
- Support IC:Mifare standard series·Mifare desfire series·I-Code series·NFC series.
- AP2P mode:Initiator & Target
- PP2P mode:Initiator & Target
- Applications:Industrial , Payment EMVCo 3.0, logistics management and identity verification.
- Customizable.
- Country of origin:Made in Taiwan



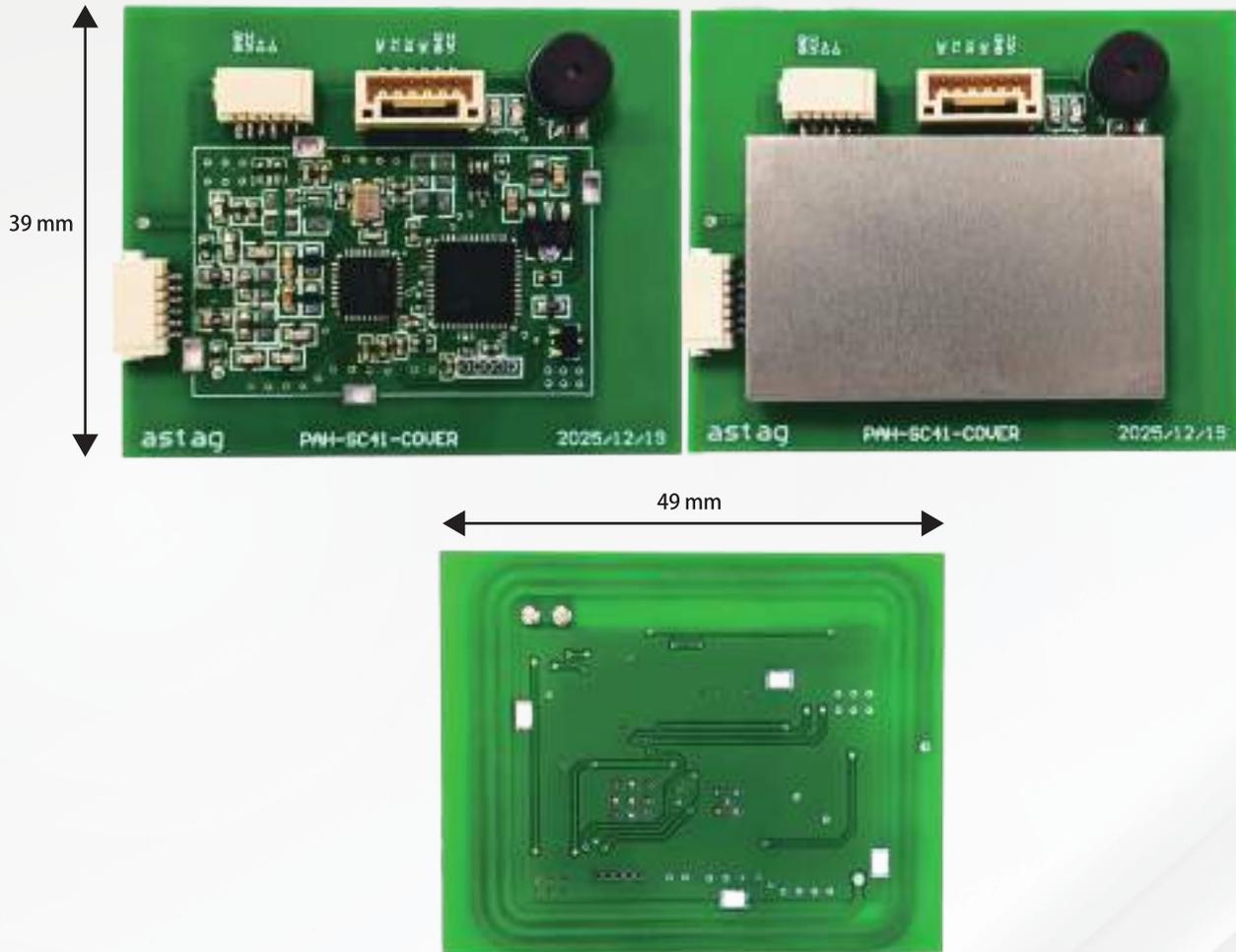
Features:

- Model:PMH-LL12-K
- Frequency Band:13.56 MHz
- Protocol:ISO-14443A/B·ISO-15693
- Interface:USB Keyboard wedge·TTL
- Power Supply:DC 5V
- Reading Distance:8 cm
- Size:39 x 18 x 11 mm (L x W x H)
- Supports:Legic standard.
- Other Supports:Legic series card.
- Advantages:This frequency range offers a good balance between read range and interference resistance.
- Applications:Access control, inventory management, asset tracking, Identity verification and data access.
- Customizable.
- Country of origin:Made in Taiwan



# RFID Module

HF



## Features:

- Model: PAH-SC41-COVER
- Frequency Band: 13.56 MHz
- Protocol: ISO-14443A/B/C, ISO-15693
- Interface: UART, USB-HID, USB Keyboard wedge, USB-CCID
- Power Supply: DC 5V
- Reading Distance: 5 cm
- Size: 49 x 39 x 5.3 mm (L x W x H)
- Supports: These interfaces allow the module to communicate with external devices such as computers (Windows 10/11), microcontrollers, or network servers.
- Support IC: Mifare standard series, Mifare desfire series, I-Code series, NFC series.
- Other Supports: Reader/Write, Buzzer, Can External Antenna connection, On-board Antenna.
- Applications: Access control, inventory management, asset tracking. Can be used in health facility, industries and other places.
- Customizable.
- Country of origin: Made in Taiwan

## PRL-578



## PRL-588



## Features:

Model	PRL-578	PRL-588
Frequency Band	125 KHz	
Protocol	ISO 11785	
Interface	UART、USB-HID、 USB-CCID、USB Keyboard wedge、RS-232、RS-485	UART、USB-HID、USB-CCID、 USB Keyboard wedge、RS-232、 RS-485、BLE、WiFi
Power Supply	DC 12V、Bus Power	DC 5 V
Reading Distance	15 cm	10 cm
Size	117 x 76 x 20 mm(L x W x H) 78 x 45 x 17 mm(L x W x H)	
Supports	These interfaces allow the reader to communicate with external devices such as computers (Windows 10/11), microcontrollers, or network servers.	
Other Supports	EM	EM Standard Series, Station Number setting
Function	The identification can be operated through proximity card、tag sensing；continuous transmission or single data transmission.	
Advantages	The Low Frequency has strong penetration ability, and little interference from the outside world.	
Applications	Identity recognition, access management, access control.	
Customizable	Size / Design / Function / Interface specifications	
Country of origin	Made in Taiwan	

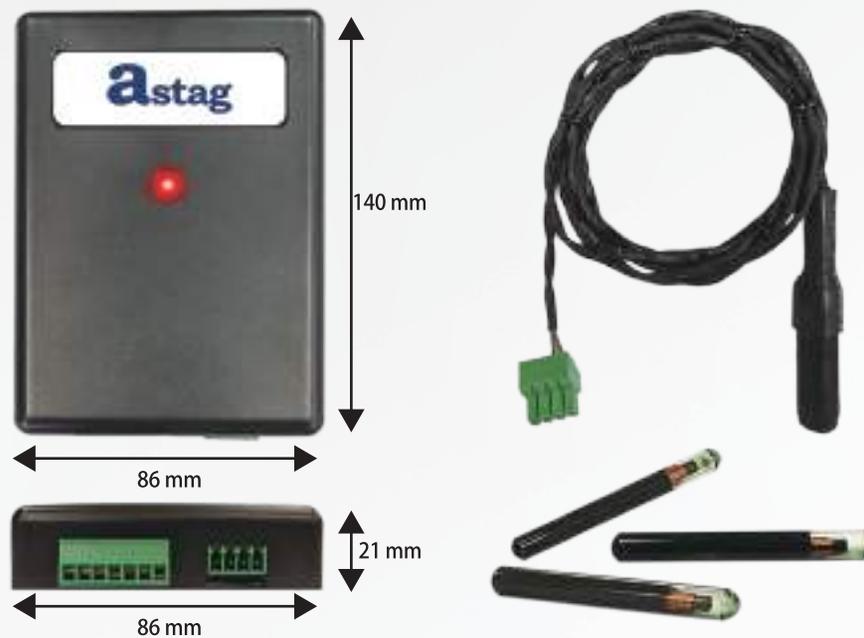
## PRL-5088 / PRL-5078



## Features:

- Model: PRL-5088 / PRL-5078
- Frequency Band: 125 KHz
- Protocol: ISO 11785
- Interface: Wiegand · RS-485
- Power Supply: DC 12V
- Reading Distance: 15 cm (Proximity Card)
- Size: 154 x 88 x 33 mm (L x W x H)
- User Cards : 6000
- Memory Capacity : 12000
- Supports: These interfaces allow the reader to communicate with external devices such as computers (Windows 10/11), microcontrollers, or network servers.
- Function: The identification can be operated through proximity card · tag sensing or password.
- Advantages: The Low Frequency has strong penetration ability, and little interference from the outside world.
- Applications: Identity recognition, access management, access control.
- Customizable: Size / Design / Function / Interface specifications.
- Country of origin: Made in Taiwan

# PRL-227



## Features:

- Model:PRL-227
- Frequency Band:134.2 KHz
- Protocol:ISO 11784/11785 (Texas Instruments)
- Interface:UART、RS-485、RS-485 modbus
- Power Supply: DC 12V~24V
- Reading Distance: 15 cm
- Size:140 x 86 x 21 mm(L x W x H)
- Supports:These interfaces allow the reader to communicate with external devices such as computers (Windows 10/11), microcontrollers, or network servers.
- Reading methods:Read/Write, T1-Tag
- Modulation method:Half-Duplex
- Station Number setting:(1) Station Number-connect 128 station.  
(2) UR- Setting Station Number.
- Support IC:T1-Tag、Silicon Craft
- Function:The identification can be operated through proximity card、tag sensing.
- Advantages:The Low Frequency has strong penetration ability, and little interference from the outside world and interference resistance strong.
- Applications:Semiconductor tracking and identification,identity recognition, access management, access control.
- Customizable:Size / Design / Function / Interface specifications.
- Country of origin:Made in Taiwan

## PRL-288

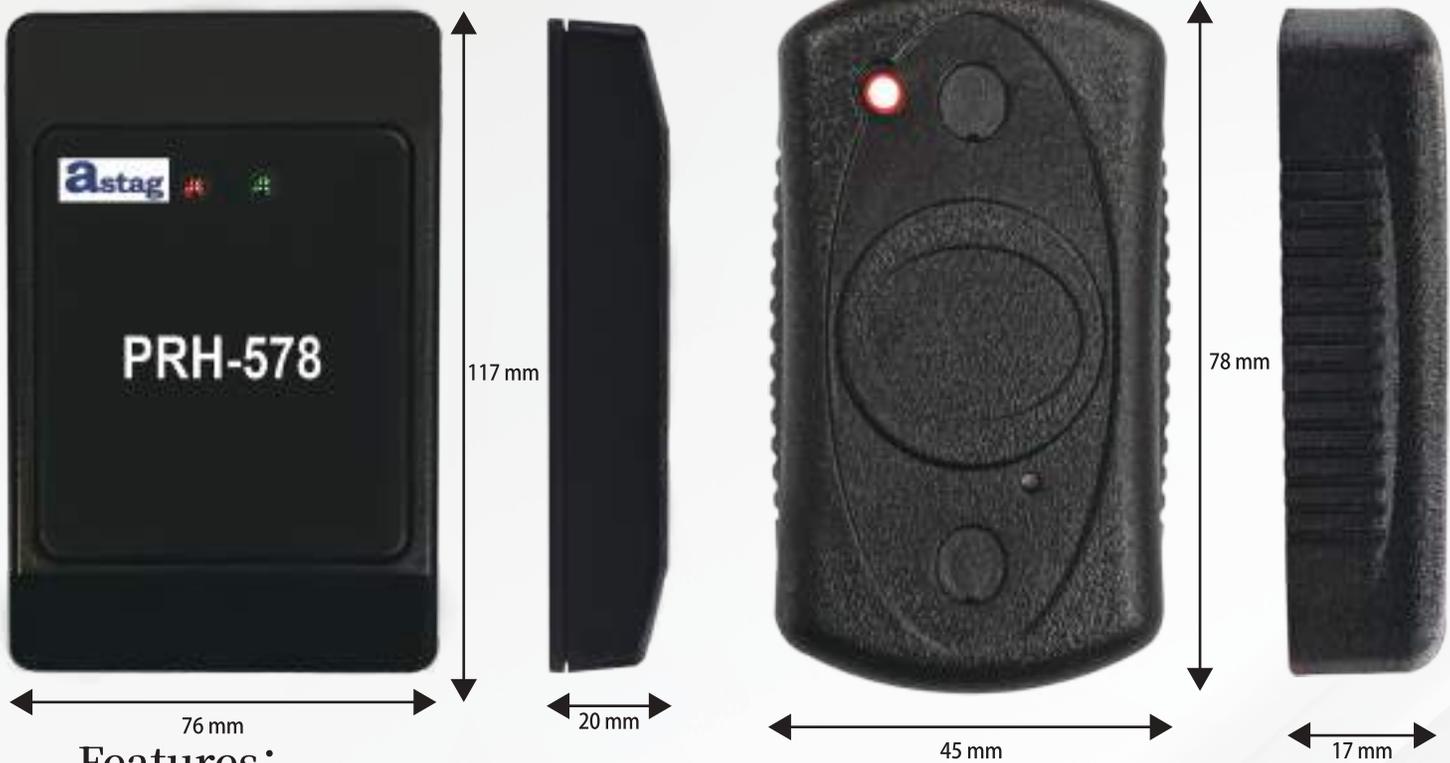


## Features:

- Model: PRL-288
- Frequency Band: 134.2 KHz
- Protocol: ISO11784/11785 (Texas Instruments)
- Interface: RS-485, TCP/IP
- Power Supply: DC 12V~48V
- Reading Distance: 15 cm (Basic) / 5 cm (Interference)
- Size: 104 x 98 x 28 mm (L x W x H)
- Supports: These interfaces allow the reader to communicate with external devices such as computers (Windows 10/11), microcontrollers, or network servers.
- Other Supports: Read/Write, Station Number-connect 256 station.
- Modulation method: Half-Duplex
- Function: The identification can be operated through proximity card, tag sensing.
- Advantages: The Low Frequency has strong penetration ability, and little interference from the outside world and interference resistance strong.
- Applications: Identity recognition, access management, access control.
- Customizable: Size / Design / Function / Interface specifications.
- Country of origin: Made in Taiwan

## PRH-578

## PRH-588



## Features:

Model	PRH-578	PRH-588
Frequency Band	13.56 MHz	
Protocol	ISO-14443A/B/C、ISO-15693	
Interface	UART、USB-HID、USB-CCID、USB Keyboard wedge、RS-232、RS-485、RS-485 modbus	
Power Supply	DC 12V、Bus Power	DC 5V
Reading Distance	8 cm	5 cm
Size	117 x 76 x 20 mm(L x W x H)	78 x 45 x 17 mm(L x W x H)
Supports	These interfaces allow the reader to communicate with external devices such as computers (Windows 10/11), microcontrollers, or network servers.	
Other Supports	Mifare standard series、Mifare desfire series、I-Code series、NFC series	
Function	HF RFID reader may include security features such as encryption and authentication to prevent unauthorized access or data tampering.	
Advantages	HF RFID readers play a crucial role in enabling efficient and automated identification and tracking processes across various industries.	
Applications	Access management, access control, inventory management, asset tracking.	
Customizable	Size / Design / Function / Interface specifications	
Country of origin	Made in Taiwan	

## PRH-566



## PRH-556



### Features:

Model	PRH-566	PRH-556
Frequency Band	13.56 MHz	
Protocol	ISO-14443A/B/C、ISO-15693	
WiFi	Non	2.4GHz
Interface	UART、USB-HID、Wiegand34/26、I2C、SPI、RS-485、RS-485 modbus	UART、USB-HID、Wiegand34/26、I2C、SPI、RS-485、WiFi、BLE
Power Supply	DC 12V~24V	
Reading Distance	8 cm	5 cm
Language Supports	English、Germany、French、Netherland、Italian、Spanish、Dutch、Swedish、Danish、Portuguese.	
Encode	16H、10D (can customize)	
Use Capacity	5000	
Records Capacity	10000	
Waterproof	IP68	
I/O	Buzzer, Relay*1, Input*1, Output*4	
Size	90 x 54 x 20 mm(L x W x H)	119 x 110 x 20 mm(L x W x H)
Software Supports	Windows 10/11	
Support IC	Mifare standard series、Mifare desfire series、I-Code series、NFC series	
Station Number	Use software to set station number via USB.	
WiFi Function	Non	It can be used as a transfer station for two-way communication through WiFi. It also has an action indicator light and a signal strength indicator light.
Applications	Access management, access control, inventory management, asset tracking.	Signal communication relay station, single control, access management, access control, inventory management, asset tracking.
Customizable	Size / Design / Function / Interface specifications	
Country of origin	Made in Taiwan	

# HF+UHF Dual-Band RFID Reader

## PRU-368



### Features:

- Model: PRU-368
- Frequency Band: UHF 840~960MHz; HF 13.56 MHz
- Input Power: DC12V~24V
- Output Power: 30dBm (Max.)
- Protocol: ISO18000-6C、EPC C1G2; ISO-14443A/B/C、ISO-15693
- Interface: WiFi、RS-485 (3.3 VDC)、Wiegand (5 VDC)
- Reading Distance: UHF read range around 4m; HF read range 3cm  $\pm$  1 cm
- Size: 130 x 82 x 29mm(LxWxH)
- Button: Doorbell
- Status Indicator: Buzzer、LED
- External Control: Relay Outputs 32VDC 1.3A x 3; Sensor Inputs x 3
- Card Max Capacity: 10000
- Memory Max Capacity: 20000
- Supports: These interfaces allow the module to communicate with external devices such as computers, microcontrollers, or network servers.
- Advantages: The PRU-368 dual-band reader integrates "Aliro" technology, allowing smartphones to replace physical keys. iPhone and Android users can unlock doors simply by sensing their phones on the reader without downloading any application. The PRU-368 establishes a secure communication connection with mobile devices, providing users with a safe, stable, and reliable access control management system.
- Applications: Access control management, identity verification, attendance management.
- Customizable: Size / Design / Function / Interface specifications.
- Certificate: CE、FCC、NCC
- Country of origin: Made in Taiwan

## PRH-5289

### Specifications:

- Model: PRH-5289
- Frequency Band: 13.56 MHz
- Protocol: ISO-14443A/B/C · ISO-15693
- Interface: WiFi · RS-485
- Power Supply: DC 12V~24V
- Reading Distance: 5 cm (Depends on Tag)
- Size: 135 x 80 x 20 mm (L x W x H)
- Screen size: TFT 2.8 inches
- User Capacity: 16000
- Access Record: 32000
- Face Capacity: 1000
- Face Verification Speed: 1:300 < 3.0 seconds
- Liveness Detection: Supports infrared sensing
- Status Indicator: LED · Buzzer



### Features:

- Multiple access modes available: facial recognition and card reading.
- Camera supports real-time detection of live facial expressions (Liveness Detection).
- Supports mobile operation and standalone facial recognition.
- Built-in RFID recognition supports ISO-14443A/B/C and ISO-15693 standards.
- Built-in communication interfaces: RS-485 and Wi-Fi.
- Device can operate independently when disconnected from the network interface, recognizing cards and facial recognition.
- Supports doorbell function.
- Wireless transmission for cable-free installation.
- It has multiple outputs: electric lock.
- The PRH-5289 facial recognition reader integrates “Aliro” technology, allowing smartphones to replace physical keys. iPhone and Android users can unlock doors simply by sensing their phones on the reader without downloading any application. The PRH-5289 establishes a secure communication connection with mobile devices, providing users with a safe, stable, and reliable access control management system.

### Advantages:

- Reduce wiring and enable communication connections in different environments.
- Featuring a large, color screen with high-quality user interface. Suitable for various locations, such as offices, banks, hospitals, warehouses, factories, and other commercial spaces, as well as private areas like residential buildings and underground parking garages.
- Customizable: Size / Design / Function / Interface specifications.
- Country of origin: Made in Taiwan

# PRH-5287

## Specifications:

- Model: PRH-5287
- Frequency Band: 13.56 MHz
- Protocol: ISO-14443A/B/C · ISO-15693
- Interface: USB · WiFi · RS-485 · TCP/IP(POE (Option))
- Power Supply: DC 12V~24V
- Reading Distance: 5 cm or more (Proximity Card PCH-05)
- Screen size: TFT 5 inches (Touchscreen)
- User Capacity: 16000
- Access Record: 32000
- Face Capacity: 1000
- Face Verification Speed: 1:300 < 3.0 seconds
- Liveness Detection: Supports infrared sensing
- Status Indicator: LED · Buzzer



## Features:

- Multiple access modes available: facial recognition and card reading.
- Camera supports real-time detection of live facial expressions.
- Supports mobile operation and standalone facial recognition.
- Built-in RFID recognition supports ISO-14443A/B/C and ISO-15693 standards.
- Built-in communication interfaces: USB, RS-485, and Wi-Fi.
- Device can operate independently when disconnected from the network interface, recognizing cards and storing access time and date.
- Supports floor controller integration.
- Wireless transmission for cable-free installation.
- It has multiple outputs: electric lock and anti-coercion.

## Advantages:

- Reduce wiring and enable communication connections in different environments.
- Customizable: Size / Design / Function / Interface specifications.
- Country of origin: Made in Taiwan

# Handheld RFID Reader

LF

HF



## Features:

Model	PML-007-DD18L	PML-007-TT18-H/L	PMH-007-NR38L
Frequency Band	125 KHz	134.2 KHz	13.56 MHz
Protocol	ISO 11785	ISO 11784/11785 (Texas Instruments)	ISO-14443A/B/C · ISO-15693
Interface	Wireless Transmission	USB · Wireless Transmission	Wireless Transmission
Battery	Built-in rechargeable battery (18650).		
Charging	Supports Micro USB charging.		
Battery level	OLED 0 ~ 100% battery level display.		
UID Display	OLED 24 characters (customizable).		
Size	145 x 135mm		
Supports	Can transfer data to mobile devices such as smartphones, tablets, and laptops.		
Support IC	EM · Temic	Ti · Silicon Craft	Mifare · I-Code
Function	Due to the high device compatibility, it can be easily paired to the back-end server.		
Advantages	Can work on the move, easy to carry, strong and durable.		
Applications	<ul style="list-style-type: none"> <li>1. Data reading</li> <li>2. Animal management</li> <li>3. Logistics management</li> <li>4. Inspection management</li> <li>5. Warehouse management</li> </ul>	<ul style="list-style-type: none"> <li>1. Animal management</li> <li>2. Logistics management</li> <li>3. Inspection management</li> <li>4. Warehouse management</li> <li>5. Semiconductor item inventory</li> </ul>	<ul style="list-style-type: none"> <li>1. Animal management</li> <li>2. Logistics management</li> <li>3. Warehouse management</li> </ul>
	Customizable : Function / Interface specifications.		
	Country of origin : Made in Taiwan		

# PMH-100



## Features:

- Model: PMH-100
- Frequency Band: 13.56 MHz
- Protocol: ISO-14443A/B/C · ISO-15693
- Interface: Wireless Transmission · USB-HID
- Battery: Built-in rechargeable battery (18650).
- Charging: Supports Type-C charging.
- Battery level: OLED 0 ~ 100% battery level display.
- UID code: OLED display
- Size: 165 x 40 x 33 mm (L x W x H)
- Support IC: Mifare standard series · Mifare desfire series · I-Code series · NFC series.
- Supports: Can transfer data to mobile devices such as smartphones, tablets, and laptops.
- Other Supports: OLED · Built-in memory capable of storing up to 1,000 records.
- Function: Due to the high device compatibility, it can be easily paired to the back-end server.
- Advantages: Can work on the move, easy to carry, strong, durable and Waterproof.
- Applications: Data reading, Tool management, Warehouse management, Logistics management, Inspection management, Production line management, Factory inventory management.
- Customizable: Function / Interface specifications.
- Country of origin: Made in Taiwan



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