1D Barcode (examples of just some of the readable formats)

Many barcode types are supported. Please contact us for details.

CODE128 *asterisk01*

CODE39 *ASTERISK*

CODABAR a12345678903a

EAN-13 1 234567 890128

GS1-128 (01)0451234567890(17)191231(10)001A

EAN-8 1234 5670

GS1 Databar (RSS-14) (01)12345678910127

Interleaved 2 of 5 012 34567 89101 9

UPC-A 0 12345 67891 2

UPC-E 0 123456 5

2D Barcode (examples of just some of the readable formats)

Many barcode types are supported. Please contact us for details.

PDF417

Data Matrix

QR Code

GS1 DataBar (RSS-14) Stacked (01)12345678901235

RFID (UHF and HF)

These RFID tag antenna images are just images, not real RFID tags.

RFID AsReader® can read UHF or HF Band RFID tags.

*Details are subject to change without notice.

email:sales@asreader.com https://AsReader.com

Asterisk Inc. Osaka Office	R201, Shin-Osaka Dainichi Bldg, 5-6-16 Nishinakajima, Yodogawa-ku, Osaka-city, Osaka, 532-0011, Japan Tel: +81 (0) 50 5536 1185
Asterisk Inc. Tokyo Office	5F, LE GRATTECIEL BLDG.36, 3-8-6 Shinbashi, Minato-ku, Tokyo, 105-0004, Japan Tel: +81 (0) 50 5830 5393
Dalian Mingrixing Technology Co.,Ltd.	R901, Heyi Building, No.6, Aixian Street, Dalian High-tech Industrial Zone, 116023, P. R. China Tel: +86 (0) 411 8445 8656
Dalian Mingrixing Technology Co.,Ltd. Shenzhen Branch.	7F, Building R2-A, Virtual University Park, NO.2, Street 7 Gaoxin South, Nanshan District, Shenzhen, Guangdong, 518057, P. R. China Tel: +86 (0) 133 9050 1898
AsReader, Inc.	500 N. State College Blvd., Suite 1100 Orange, CA 92868-1625 U.S.A. Tel: +1 (949) 438 7577
AsReader Europe B.V.	Stationsplein 45, A4.004, 3013 AK Rotterdam, The Netherlands Tel: +31 (0) 10 808 0488

2019.01 Vr.3

Read the future! AsReader®

Use smartphones to improve your workflow!

Use your phone As a Reader

GUN-Type

SLED/DOCK-Type

CAMERA-Type

SMART PHONE MEETS SMART READER

IoT × AsReader®

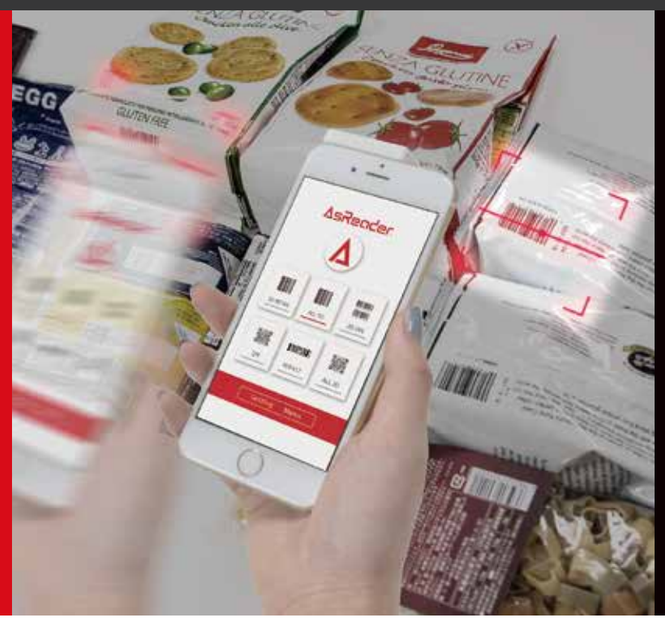
Retail Logistics Factories Healthcare and more...

AsReader® CAMERA-Type

Ultra-fast scans with your camera!

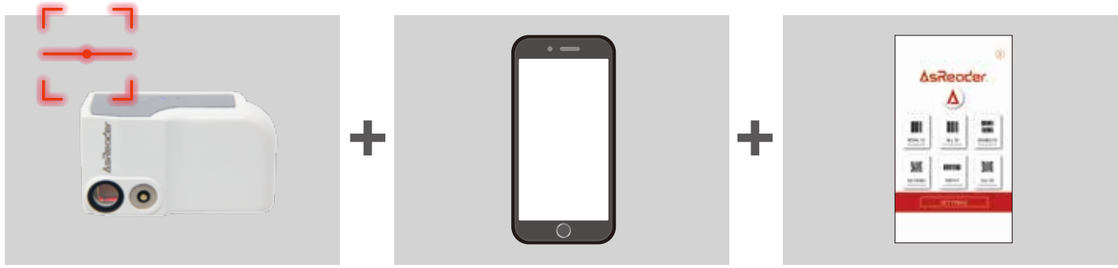
Look at the actual items instead of your screen while scanning!

Laser Pointer



Laser Pointer＋iPhone®

Using your smartphone's camera, this barcode reader with the laser pointer can outmatch most scanning devices!



Laser pointer

A laser pointer for targetting barcodes to be scanned

Smartphone

iPhone®/iPod touch®/iPad®/ iPad mini® (iOS®9 and up)
Android™: Support as needed

AsCamera app

An exclusive app for ultra-fast barcode scans using a smartphone's camera

Introducing an ultra-low cost barcode reader
Ultra-fast barcode scans are made possible with the exclusive app and laser pointer module
Stress free, no matter how many barcodes need scanned!

Laser pointer	By aiming with the laser pointer, work goes smoothly since looking at the screen isn't required
Charging	Laser pointer is charged with a magnetically connected charging cable
Supported models	iPhone®/iPod touch®/iPad®/iPad mini® (iOS®9 and up) Android™: Support available

Use cases:

Production control and equipment inspections in factories

POS registers in stores

Keep track of incoming and outgoing stock in warehouses

Managing distribution picking and deliveries

3-point-check verification at hospitals

Supported Formats (with more coming soon)

1D Barcodes	Code39, Code93, Code128, EAN-8, EAN-13, EAN-2 Addon, EAN-5 Addon, ITF, ISBN10, ISBN13, UPC-A, UPC-E, NW7, GS1 DataBar, GS1 DataBar Expanded
2D Barcodes	AzTec, DataMatrix, MaxiCode, PDF417, QR Code
Character Recognition	Letters, numbers and symbols (iOS® only)

You can also use AsReader® CAMERA-Type in combination with RFID devices

AsReader® GUN-Type

Long Range

A barcode scanner / RFID reader/writer with long distance UHF capabilities

ASR-031D+ASC-P7H-B

AsReader® GUN-Type

Long Range **ASR-R250G**

Easy to Connect

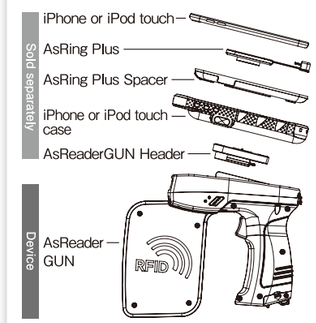
Designed for simplicity: just place your phone on top and it's ready to use
No awkward "pairing" like with Bluetooth

※The smartphone and reader begin communicating the moment they connect.

Magnetic stand
(sold separately)

Details are subject to change without notice.

The essential parts of the GUN-Type
<Device and options (sold separately)>



Read Range Over 10m

(depending on the type of tag)

Long Range

Long distance communcation

※1W and 250mW versions available.Distance may vary.

Magconn™

The Magconn connection allows both charging and data transfer

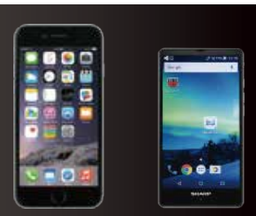
Barcode/RFID (UHF)

Combo Type barcode reader and RFID reader/writer
Read 1D/2D barcodes with an advanced 2D CMOS engine and UHF RFID with a linear antenna
Two Types of Antennas: Linear antenna for long distance reading and circular antenna for reading tags accurately in multiple directions at once
Choose the one that meets your needs

iOS® & Android™

Compatible with most devices including
iPhone®, iPad®, iPod touch® and Android™ devices too

*Some models are not compatible. Contact us for details.

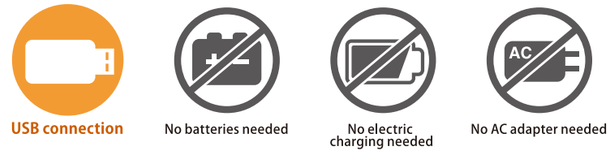


AsReader® DESKTOP-Type

Easily connect this UHF Band RFID reader/writer to PC via USB

Because it connects as an HID (Human Interface Device), by just passing RF tags over the AsReader® (or pass the AsReader® over RF tags) you can easily read their data and capture the data as if it had been typed on the keyboard.

No worries about power - it doesn't need batteries or an AC adapter



UHF Band RAIN RFID reader/writer
(ISO/IEC 18000-63 / EPCglobal Class 1 Gen 2)

Configurable radio wave output
Output power can be modified in 1dBm units (0-24dBm)

Long-distance reading
10~300cm (up to 3m/10ft. depending on output settings, tags, and environment.)

Perfectly suited for desk-top space
Compact (W84×D122.44×H20mm)

Built-in proximity antenna
Operates as a separate unit
(865～868MHz band, 2dBi antenna gain)

USB connection
Keyboard emulation (HID-mode)

UHF Band RAIN RFID, output up to 250mW

- Attendance Management & Time Cards
- Manage room entry/exits (unlocking registry, records of who entered)
- Useful for libraries (borrowing and returning)
- Reader/writer for POS registers
- Manage membership cards: purchase history / points / other
- Product master (registering required)
- Incoming and outgoing shipment lists (registering required)
- Control your inventory
- Manage your documents

Confine radio waves!

AsShield

NEW

Confines 99.9999% of all radio waves*!
No side-effects such as radio waves reflecting off of metal.

*It can block nearly all RFID radio waves between 10kHZ ~ 30GHz.

Radio wave shield

Even in areas with an overload of RF tags, there's no need to worry about scanning unnecessary tags. You just need to demarkate the area to scan with this radio wave isolation cloth. The isolation cloth is a mere 0.08mm thick, yet it shuts out all radio waves between 10kHZ and 30GHz.

AsReader® SLED/DOCK-Type

SLED/DOCK-Type (Single-function)
SLED/DOCK-Type Combo (Dual-function)

Silicone Cases
Hybrid Cases

iPhone®, iPod touch®, iPad® & Android™

SLED/DOCK/Case/Sleeve-type Barcode Scanners and RFID Reader/Writers

FC CE

Made for iPhone

This modular design,
with separate device and case,
makes the one sled compatible with all
modern Lightning-connected devices and
other products to be developed in the future.

One device fits all,
by just changing
the case!

Barcode

ASR-010D+ASC-T5-B
ASR-020D+ASC-T5-B
Silicone Cases

RFID(UHF)

ASR-030D+ASC-T5-W
Silicone Cases

DOCK device (back, front, & back)

ASR-010D
ASR-020D

ASR-030D
ASR-031D

ASR-010D+ASC-P5H-W
ASR-020D+ASC-P5H-W
Hybrid Cases

ASR-030D+ASC-P7H-B
Hybrid Cases

1D Barcodes
2D Barcodes
UHF Band
RAIN RFID

This single device supports
1D Barcodes, 2D Barcodes,
and both UHF Band RAIN RFID
ASR-0230D / ASR-0231D
and HF Band RFID
ASR-0240D

ASR-0230D+ASC-P5HC-B
ASR-0240D+ASC-P5HC-B
*The ASR-0230D/0231D has an output of 25dBm (316mW).
Hybrid Cases

DOCK device (front & back)

*The barcode engine of the combo series uses a high performance CMOS image sensor. Laser light is used to aim, making it a Class-2 laser product
*UHF and HF versions have the same exterior

Note: Class 2 lasers are visible and considered safe for normal operation by international standards (due to the human eye aversion response limiting exposure to a fraction of a second).

ASR-0230D

1D Barcodes
2D Barcodes
UHF Band
RAIN RFID

ASR-0240D

1D Barcodes
2D barcodes
HF帯RFID(NFC)

Smartphone-mounted
portable
barcode reader

Barcodes

For both Android™ & iOS® devices

*For iOS® devices only in HID mode

AsReader® / ASR-A11DB
Case / ASC-A2H

AsReader® / ASR-A11DB
Case / ASC-T5A1

Low cost
Water & dust resistant/ IEC Regulation IP52 Standard
1D Barcode Reader
2D Barcode Reader
Compact & Stylish
Drop Tested from 1.5m (5 ft.)
Magconn: Easy magnetic charging
iPhone, iPod touch, and iPad supported

Genuine Apple Lightning connector
Pinpoint scanning
UHF Band ASR-0230D / ASR-0231D
HF Band (ASR-0240D)
Read & write
HID (ASR-A11DB)

Download on the App Store
"Application Store" or "App Store"

AsReader Apps Business apps for the AsReader®

By simply installing these AsReader® apps on an iPhone® or iPod touch®, you can easily use your phone for a variety of business tasks.

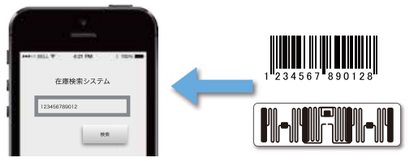
Astey
AsReader® keyboard

By just downloading AsKey, you can immediately synchronise the AsReader® with your iPhone® or iPod touch®.

AsKey is a keyboard app that can be used by iOS®8 and up. You can read and input data from the AsReader® into almost any app by selecting "AsKey" as a keyboard.

AsBrowser
<Supported OS> iOS®8 and up

A web browser where you can input data read from barcodes or RFID tags directly into your bowser. You can use AsReader® with your current web/cloud database. No need to modify your web/cloud system.



RF TAGs

You can use these tags with AsReader® (with examples of applications).

Various UHF Band and HF Band (NFC) RF tags available!
A large variety of tags for multiple purposes are available, such as price tags, card tags, metal-mount tags, wristbands and animal identification tags.

1 Retail

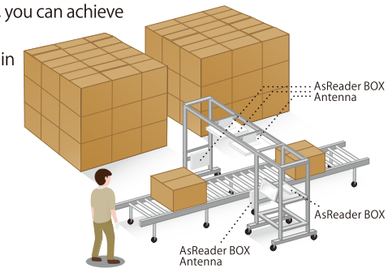
You can immediately begin using apps developed for the AsReader® for use in POS, inventory management and stock control.

In addition to reducing the time involved in the handwritten data entry process of paper-based systems,data entry errors, data leaks and erroneous orders are also significantly reduced.
You can focus your efforts on generating sales that will produce great business results while avoiding missed opportunities.
You can simplify the POS and sale management functions.
The AsReader® is not only an inventory management device and an order management and incoming component management system, but it can also be used with printers to augment POS operations.
In addition to enhancing business operations by combining multiple functions into one device, you can also achieve rapid cost savings.
You can easily use the functions of the iPhone®/iPod® in conjunction with the network, and with the use of our SalaseePOS and other web applications.
You can also use tablets and other stylish devices to develop full-fledged POS register systems.

2 Logistics

Use as a handy terminal to integrate with WMS.

Have the freedom to create modern apps that emulate traditional handheld terminals in a new, more efficient way to achieve a wide range of cost savings.
You can introduce the AsReader® as a replacement for older terminals and implement mobile applications for Warehouse Management Systems.
You can freely create apps that emulate handheld terminal functions and enable the use of the touch screens on smartphones to enhance productivity and operating efficiency.
In This way, you can achieve significant reductions in the cost of handheld terminals.



3

Factories

The RFID AsReader® is contributing to the enhancement of operations control and lead-time reduction in an automotive company's procedures for protective film application and optional components installation.

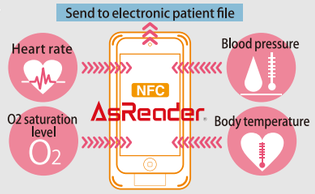
The AsReader® is used in the distribution lots of car factories as part of the essential new vehicle pre-delivery preparations.
RFID tags with the vehicle ID numbers of the new cars are attached to the car dashboards, and the RFID tag and RFID AsReader® are used in combination to provide the instructions and process control for protective film application and optional components installation.
The AsReader® can be easily used with smart device enabled business applications to function as a handheld terminal that monitors and captures the status of specific cars on a car-by-car basis during car delivery service operations.

4

Hospitals

Confirmation of verbal and visual "3-point-check" and automatic recognition app for easy implementation of scalable before and after medical record introduction.

Enables major cost savings in comparison to specialized handheld terminals.
The 3-point matching (medications, drug injections, infusions, etc.) is more secure for patients, doctors and nurses. It is also possible to develop applications that can be used with the system for real-time processing of EMR (Electronic Medical Records) and ordering procedures.
Major enhancements in efficiency can be achieved by replacing older ordering terminals (notebook PCs) with the handheld AsReader®.
Since the AsReader® has excellent resistance to dust and water (IP52 standard compliance), is built of non-porus-plastic and ready for bleach wipes, along with a drop test of 1.5m to concrete surfaces, AsReader® is built for the harsh workplace environment with healthcare in mind.



5

Pinpoint Tag Locations

Instantly see the distance and direction of a tag with great precision.

AsTagFinder displays the X, Y, Z directions and distance.

Until now it has been difficult to find tags at long-distance with conventional tag search technology. AsTagFinder will pinpoint the direction and distance of the tag, even when at maximum range.
This program can also search for multiple tags at once.

AsTagFinder

Pinpoint Tag Location App

Increasingly expanding, AsReader®'s native application development environment:

APACHE CORDOVA™

Programming with Objective-C or Swift was necessary in the past, in order to develop AsReader® native applications that were standard and compatible with iOS® devices.
With the introduction of platforms such as Xamarin and Cordova, it is now possible to develop native apps for iOS if you have experience in the development of Android™, Windows or Web apps.

Royalty-free SDK:

In order to use all the functionalities of AsReader®, you need to integrate AsReader®'s SDK (Software Development Kit) in to your software.
The AsReader® SDK is provided free of charge so that you can utilize all the functionalities of AsReader® to create the best application for your business!
The SDK is also provided free of charge to developers specializing in application development, so you can freely develop applications using AsReader®.