AsReader®

ASR-A25S Series
User's Manual

Product Type: SLIM-Type 2D/1D barcode scanner

Compatible with Android devices

2nd Edition

July 15, 2025

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About the ASR-A25S Series

The ASR-A25S Series of SLIM-Type devices is a barcode scanner that can scan 1D and 2D barcodes when connected to an Android device.

The suffix of the model name varies based on the compatible smartphone. For example, the ASR-A25S1 is for the Google Pixel 8a (the Pixel 7a and 6a fit as well) and the ASR-A25S3 is for the Kyocera DIGNO SX4.

To use the ASR-A25S Series in CDC mode (SDK mode), please download an application that has our AsReader SLIM SDK for Android integrated into it.

For integrating the AsReader SLIM SDK, please refer to our SDK reference guide and sample code, which are available on our product website.

Also, customers can try the ASR-A25S Series in CDC mode using our demo application, "AsReader SLIM Demo" which can be downloaded either from our product website or the Google Play Store.

To use the ASR-A25S Series in HID mode ("Human Interface Device mode," where the scanner acts like a keyboard emulator, providing text to any app you can type in, such as Notepad, Excel, Google Sheets, Web Apps and more), please scan the HID setting barcode on page 14 of this manual.

If you have any comments or questions about this manual, please contact us:
https://asreader.com/contact/

Model	Compatible smartphone	Compatible joint connector
ASR-A25S1	Google Pixel 8a/7a/6a	ASP-098
ASR-A25S3	KYOCERA DIGNO SX4	ASP-104

★The copyright of this manual belongs to Asterisk, Inc. Without the company's permission, no reproduction, reprinting, modification, or translation into other languages is allowed.
★The contents of this manual are subject to change without prior notice. In addition, the images in this manual are all reference images and may be different from the actual product.
★ Warning: Please read this manual before use. Incorrect use of this device could result in property damage, serious personal injury, or even death. We will not be responsible for any loss caused by non-compliance with this manual.

★ We cannot take responsibility for any damage resulting from natural disasters like earthquakes, lightning, wind, floods, or fires beyond our control. Additionally, damages caused by third-party actions, accidents, intentional or negligent acts, misuse, or abuse are also not our responsibility.

★If damage is caused by dropping or smashing, as determined by our company, and the unit is repairable then a repair fee will be charged, even within the warranty period.

★We will take appropriate measures to ensure that our products do not infringe other patents, but we are not responsible for any patent infringement caused by any of the following (1) to (4).

(1) Used in combination with components, products, equipment, data processing systems, or software outside our company.

(2) Our products are used in unexpected ways.

(3) Modification of our products by any person or company other than our company.

(4) Use outside of the country where the products are purchased.

■Revision history

Version	Changes	Date
1	Initial version	March 27, 2025
2	Made changes to section 1.1 and added section 1.2 to unify the user's manuals for the ASR-A25S series	July 15, 2025

Note: The contents of this document are subject to change without notice.

Safety Instructions

⚠ Warning
Please do NOT disassemble, modify, or repair the ASR-A25S yourself.
Please stop using the ASR-A25S if you notice anything unusual during operation such as smoke, noise, or an abnormal odor.
Please do NOT subject the ASR-A25S to strong impacts by dropping or throwing it. If the body of the ASR-A25S is damaged, please do NOT touch the damaged part or the parts inside.
Please do NOT heat or set fire to the ASR-A25S.

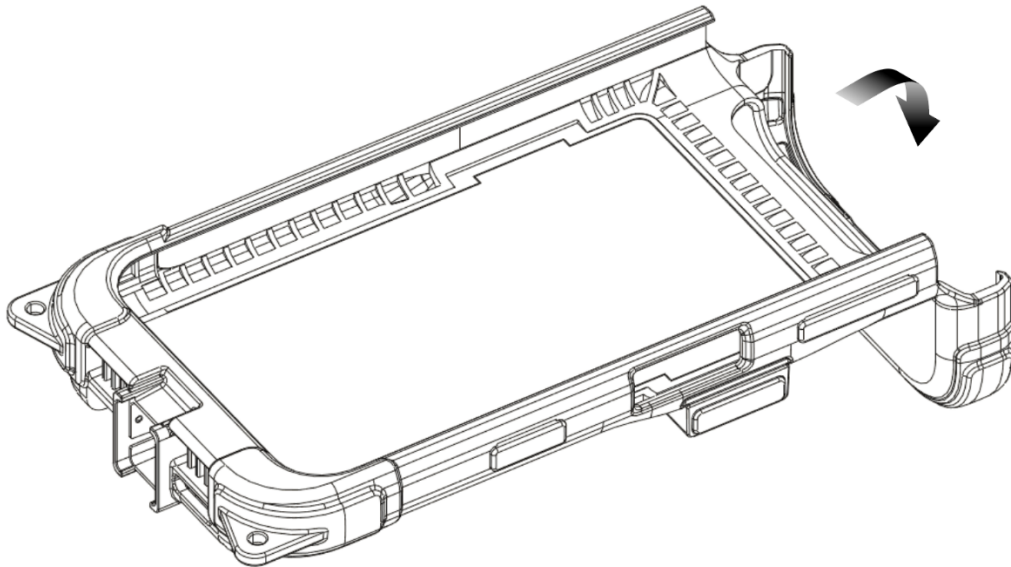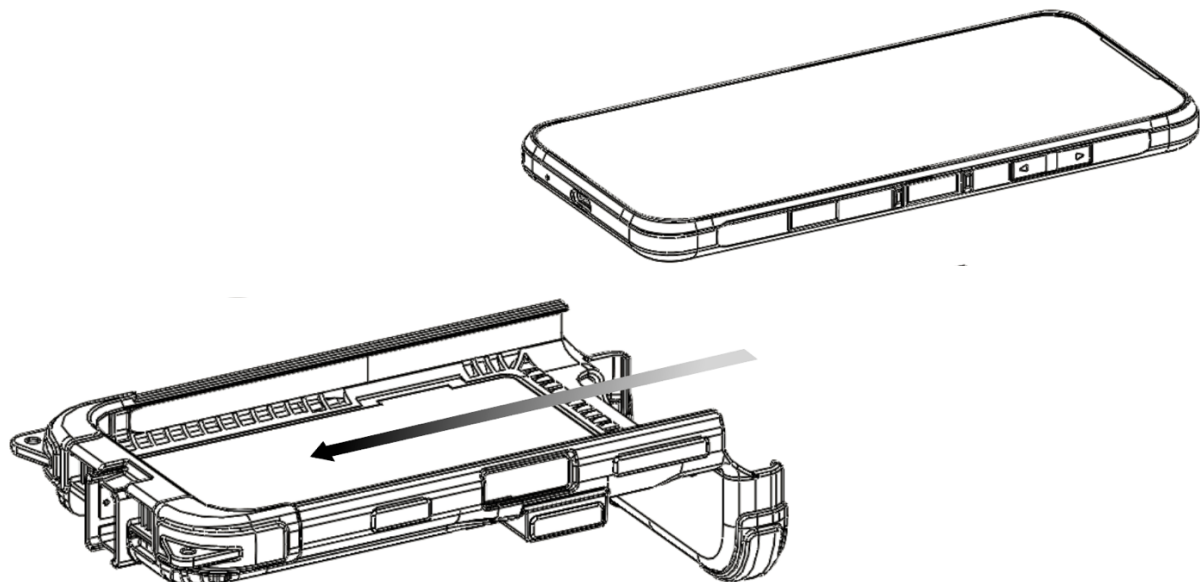| ⚠ **Caution** |
|---|
| Please comply with your local regulations when you discard the ASR-A25S. |
| Please stop using the ASR-A25S immediately and contact the distributor if you notice anything suspicious regarding it while in operation. |
| Continuous use of the ASR-A25S in rainy conditions can cause malfunctions of the ASR-A25S and the connected device.
If the ASR-A25S gets wet, please wipe any water off its surface and ports immediately with a dry cloth. |
| ASR-A25S is a class 1 laser product.
Please do NOT look into the laser or point it at a person. |

1 Installation and Removal

Installation

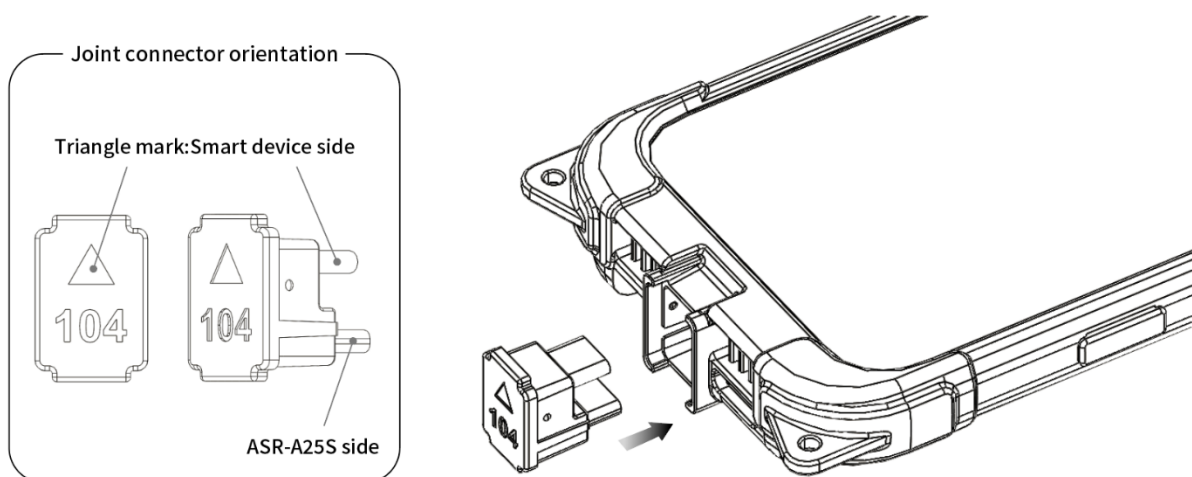① Bend the edge of the ASR-A25S near the camera opening.

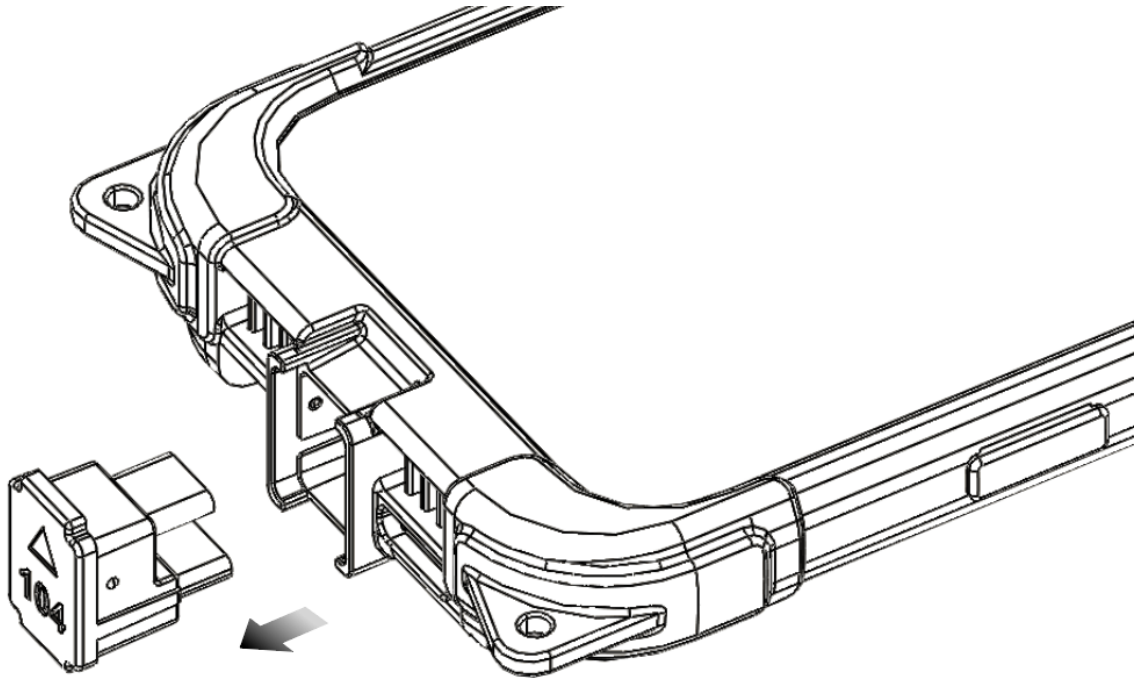② Insert your smartphone in a parallel fashion from the top of the ASR-A25S.

③ Connect the ASR-A25S and your smartphone by plugging the joint connector into their USB Type-C ports.
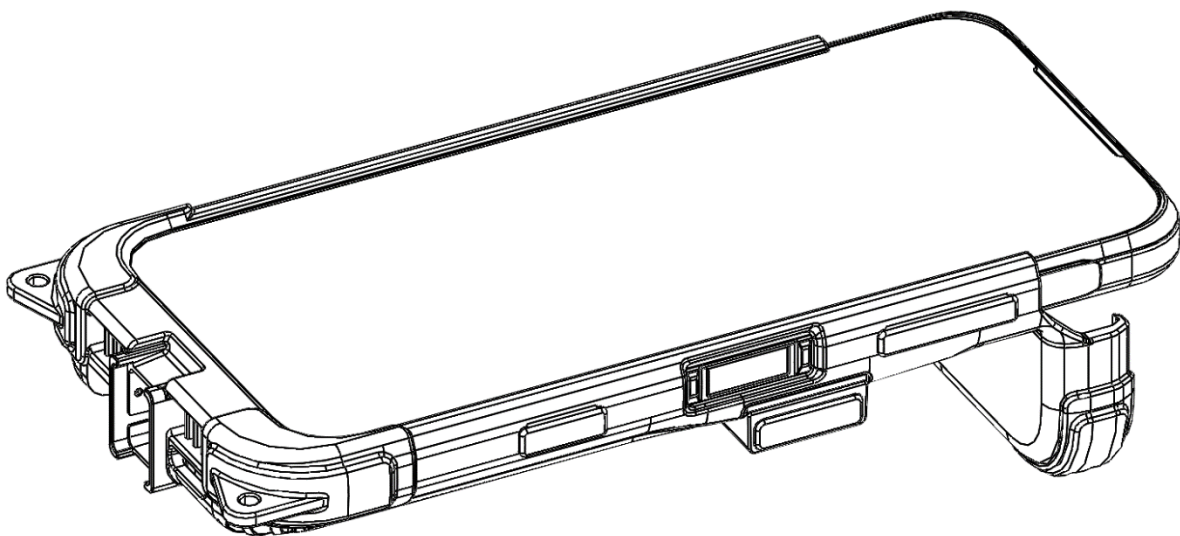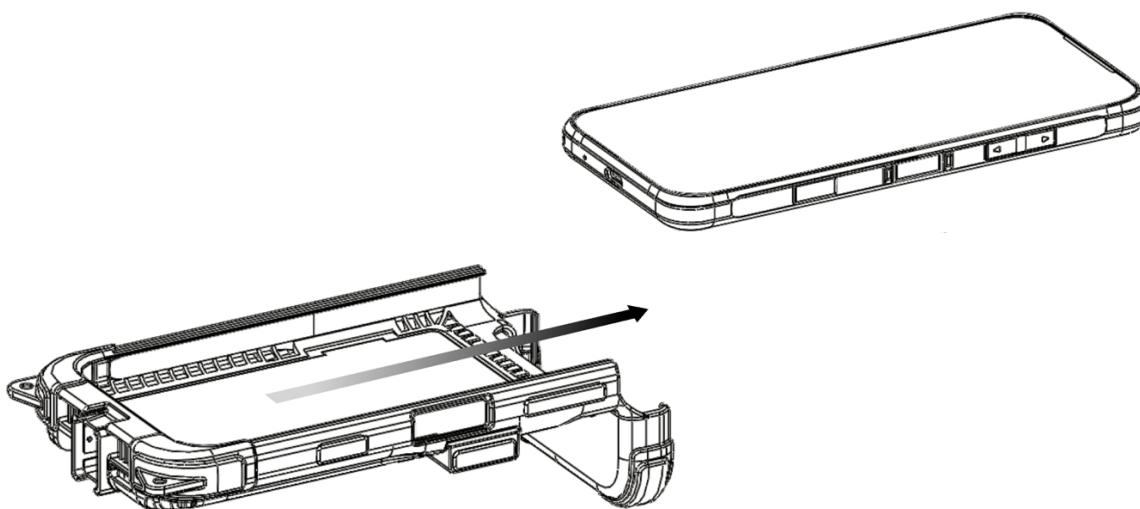
Removal

① Pull the joint connector straight out.

Important: Make sure to pull out the joint connector before removing your smart device from the ASR-A25S.
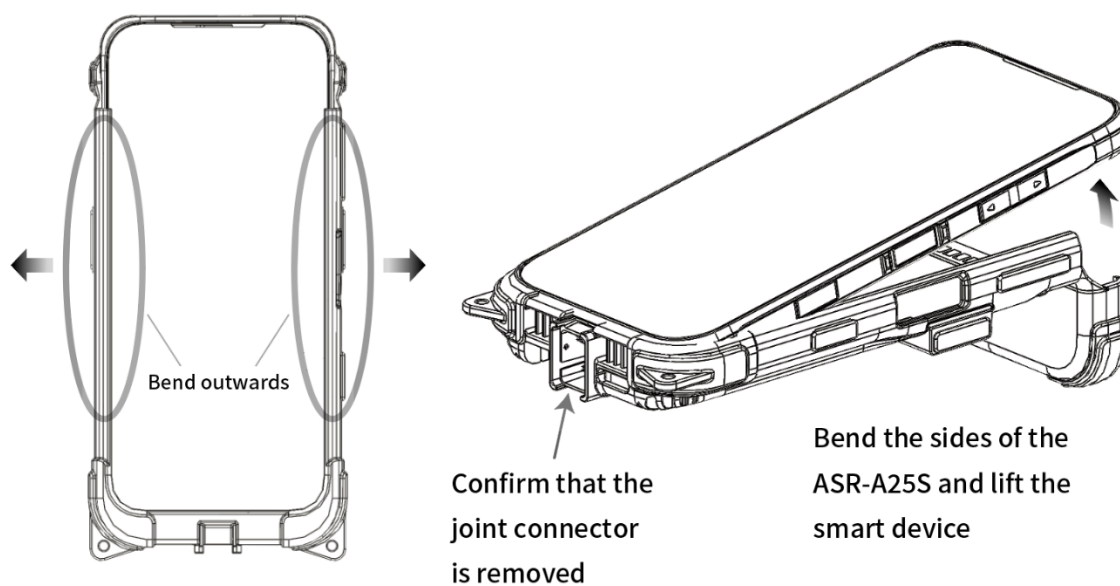
② Bend the edge of the ASR-A25S near the camera opening.

③ Remove your smartphone from the ASR-A25S in a parallel fashion by pulling it up.
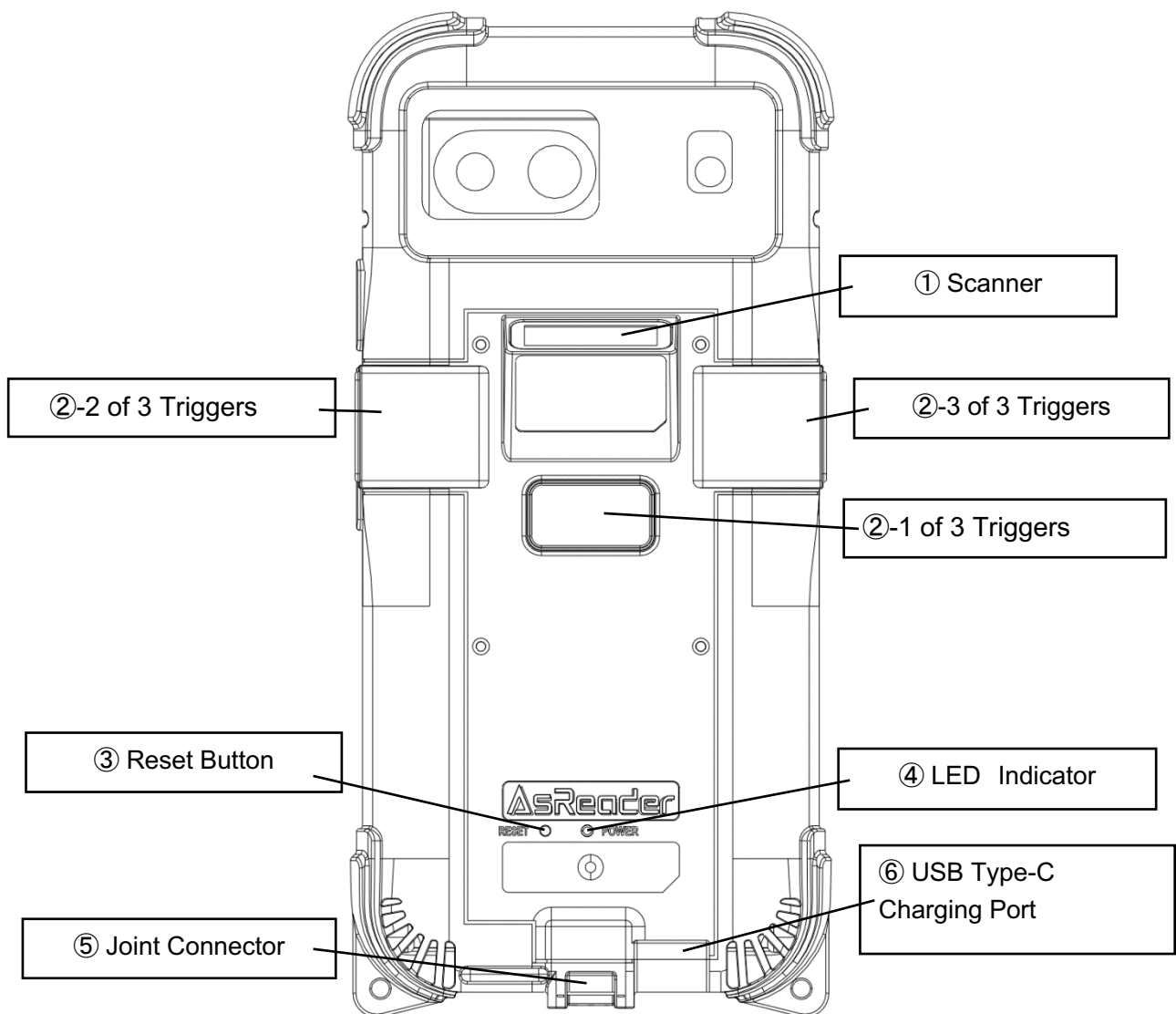
Removing your smart device may be difficult depending on its shape.

In such cases, bend the left and right sides of the ASR-A25S outwards and lift the smart device to remove it, but please confirm that the Joint Connector has been removed first.

Bend outwards

Confirm that the joint connector is removed

Bend the sides of the ASR-A25S and lift the smart device

2 Name of Each Part

① Scanner

②-2 of 3 Triggers

②-3 of 3 Triggers

②-1 of 3 Triggers

③ Reset Button

④ LED Indicator

⑥ USB Type-C Charging Port

⑤ Joint Connector

3 Operation Guide

1   Scanner

- Please aim this part at the barcode when scanning.

2   Triggers

- Barcode Scan

  The ASR-A25S scans a barcode when one of these three triggers is pressed.

- Wake up

  The ASR-A25S in sleep mode wakes up when one of these triggers is pressed.

3   Reset Button

- The ASR-A25S is forced to restart when this key is pressed.

4   LED Indicator

State of ASR-A25S	State of LED Indicator
Connected to a charging cable	Red
Connected to an Android device	Blue
Sleep mode	Off
Scanning	Blue, blinking

5   Joint Connector

- This part connects the ASR-A25S and an Android device electronically.

6   USB Type-C Charging Port

- This port can be used to pass-through a charge to an Android device connected to the ASR-A25S. Please note: the ASR-A25S does not have a battery, so this port is only for passing a charge through to the smartphone.

7   Buzzer

State of ASR-A25S	Sound from Buzzer
Connected to an Android device	Rising pitch beep
Entering sleep mode	Long single beep
Scanning	Short single beep
Reset Button pressed (restarting)	Rising pitch beep

8   Sleep Mode

- The ASR-A25S automatically enters sleep mode after a set period of inactivity. It exits sleep mode and resumes normal operations when any of the triggers are pressed.

9   HID and CDC Modes

- HID Mode

When the 'HID Mode' QR is scanned, the ASR-A25S operates in HID mode.

In this mode, the ASR-A25S functions as a keyboard emulator, sending scanned data as text to applications such as Notepad, Excel, Google Sheets, Web Apps and more.

HID Mode

- CDC Mode (SDK mode)

When the 'CDC Mode' QR is scanned, the ASR-A25S operates in CDC mode, where scanned data is transferred to an application that has integrated the AsReader SLIM SDK.

CDC Mode

Appendix:Product Specifications

SKU		ASR-A25S#, ASR-A25S1, ASR-A25S3
Barcode	Image Sensor	640*480 CMOS
	Resolution	≥ 3mil
	Scanning Depth	EAN13: 65mm~350mm (13mils) Code39: 50mm~125mm (5mils) QR Code: 30mm~170mm (15mils) Data Matrix: 45mm~120mm (10mils) PDF 417: 50mm~125mm (6.7mils)
	Scanning Angle	Skew ±42°, Pitch ±31.5°, Tilt 360°
	Supported Symbologies	1D: Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, ISSN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, AIM128, Plessey, MSI-Plessey 2D: PDF417, QR Code, Micro QR, Data Matrix
	Light Source	Aimer: Red LED, 625nm Illumination: White LED
Key Inputs		Trigger, Reset Button
Communication	Interface	USB Type-C
Appearance	Materials	PC, TPU
	Color	Black
	LED Indications	Red, Blue
Environment Resistance	Operation	14°~113°F (-10℃~45℃) at 20~85 %RH
	Charging	32°~113°F (0℃~45℃) at 10~90 %RH
	Storage	-4°~140°F (-20℃~60℃) at 10~95 %RH
	IP Rating	IP54 Compliant for Dust and Moisture Resistance
	Drop Tested	AsReader unit dropped from 5 feet (1.5m) to all six-sides and all four-corners, once each
Certificates		FCC, FDA
Host Device's Operating System		Android

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