

DATASHEET

DESKTOP READER

Description

The AIR-D desktop RFID personalizer is an essential element for an access control system with a large number of users. It provides a convenient way to add identifiers to the system. A special feature of the device is the functionality that allows you to protect identifiers from copying by encrypting the available memory areas. The device is also capable of restoring previously protected identifiers to the factory state.

The advantages of AIR-D are ease of use, simple connection, and no need for additional software. You can start using the device right out of the package. In addition, we have a user-friendly, built-in web interface that allows you to quickly and responsively change the configuration to meet your system requirements.

The AIR-D desktop RFID personalizer finds its application in companies, residential complexes, hotels, and many other institutions with a constantly changing number of users in the system.



Device Specifications

Device info

• Model	AIR-D
• Processor	ESP32-S3
• Over-the-air (OTA) update	Yes
• Built-in web server	Yes
• Support for 125 kHz identifiers	EM Marine
• Support for 13.56 MHz identifiers	MIFARE DESFire; MIFARE Plus; MIFARE Ultra Light; MIFARE Classic mini/1K/4K; MIFARE Classic EV1 1K/4K; NFC Tag
• Support for copy protection for MIFARE Classic mini/1K/4K identifiers	Yes

Communications

• Wi-Fi	802.11 b/g/n 2.4 GHz
• Bluetooth	Bluetooth® 5 (LE)
• USB 2.0	Yes

Electrical characteristics

• Input voltage	5 VDC +/- 10%
• Operation current (AVG) 12 VDC	0.13 A (1.56 W)

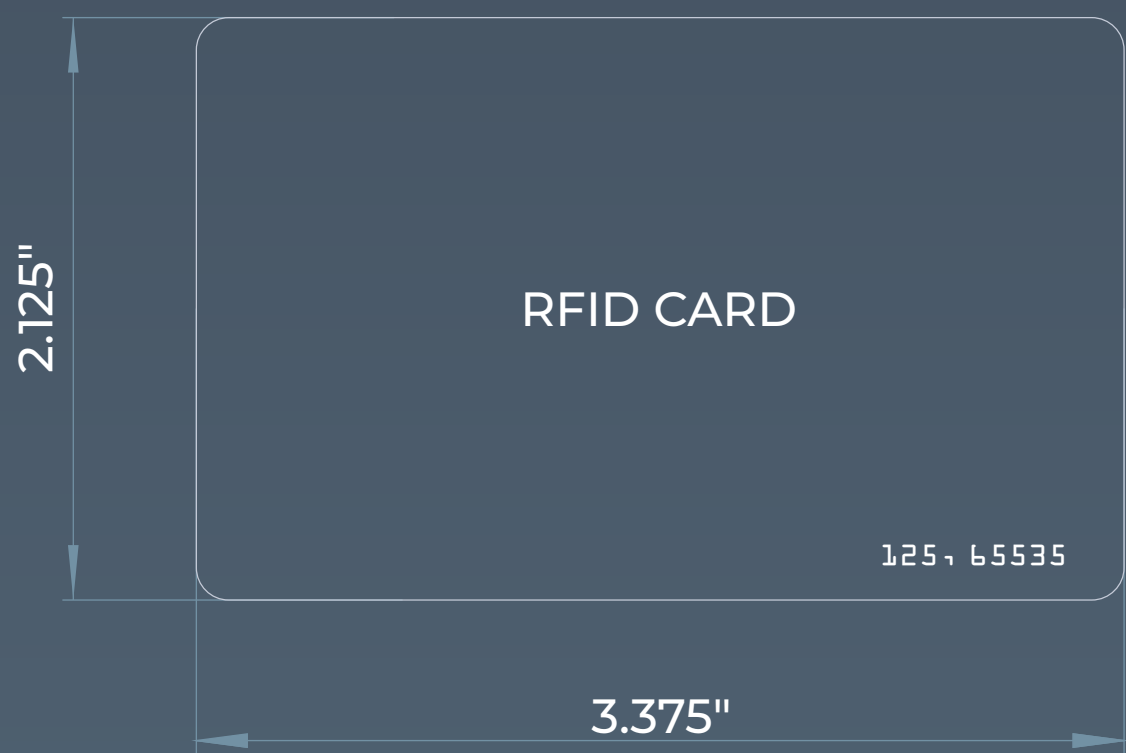
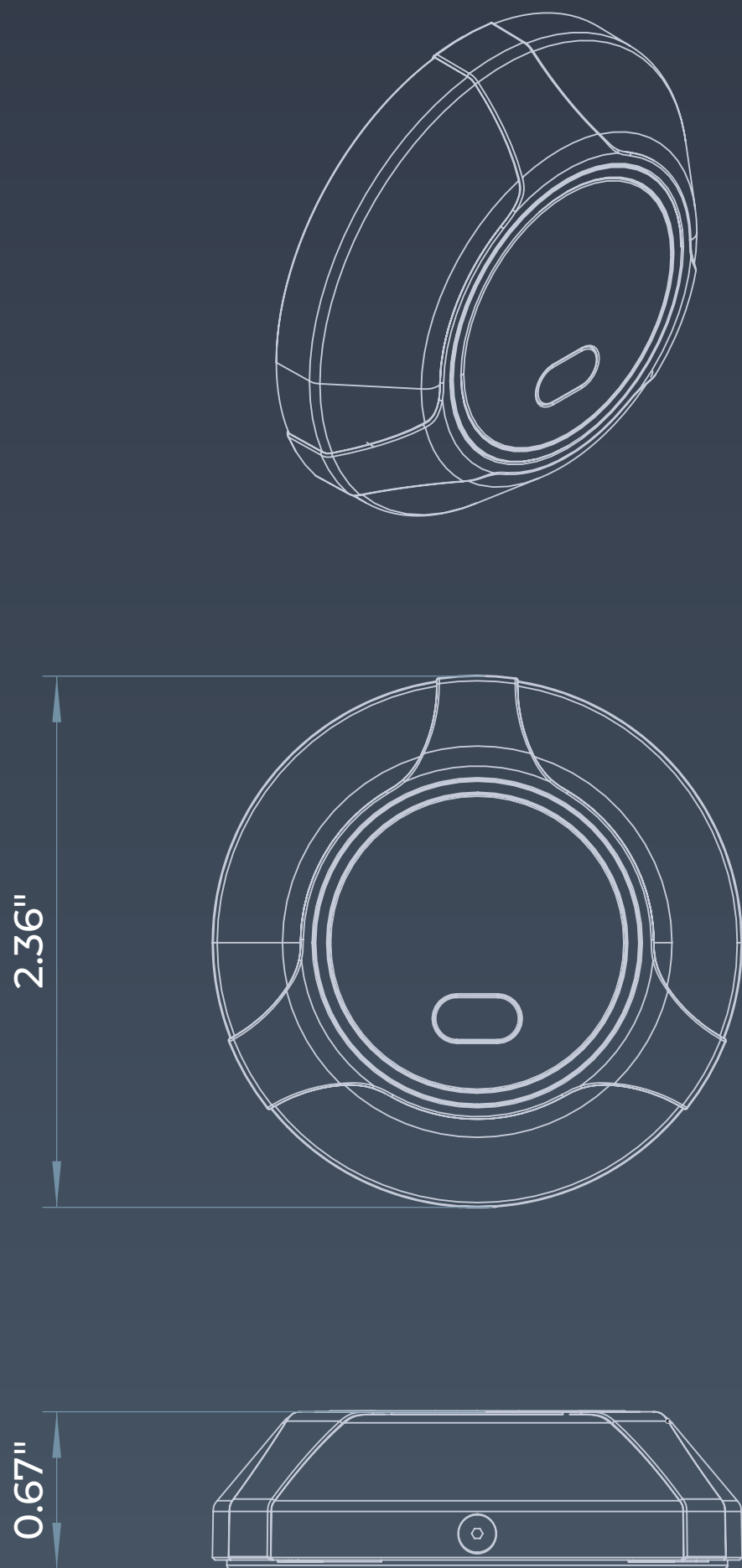
Environmental requirements

• Operating temperature	-22°F ~ 158°F (-30°C ~ 70°C)
• Ingress Protection rating	IP54

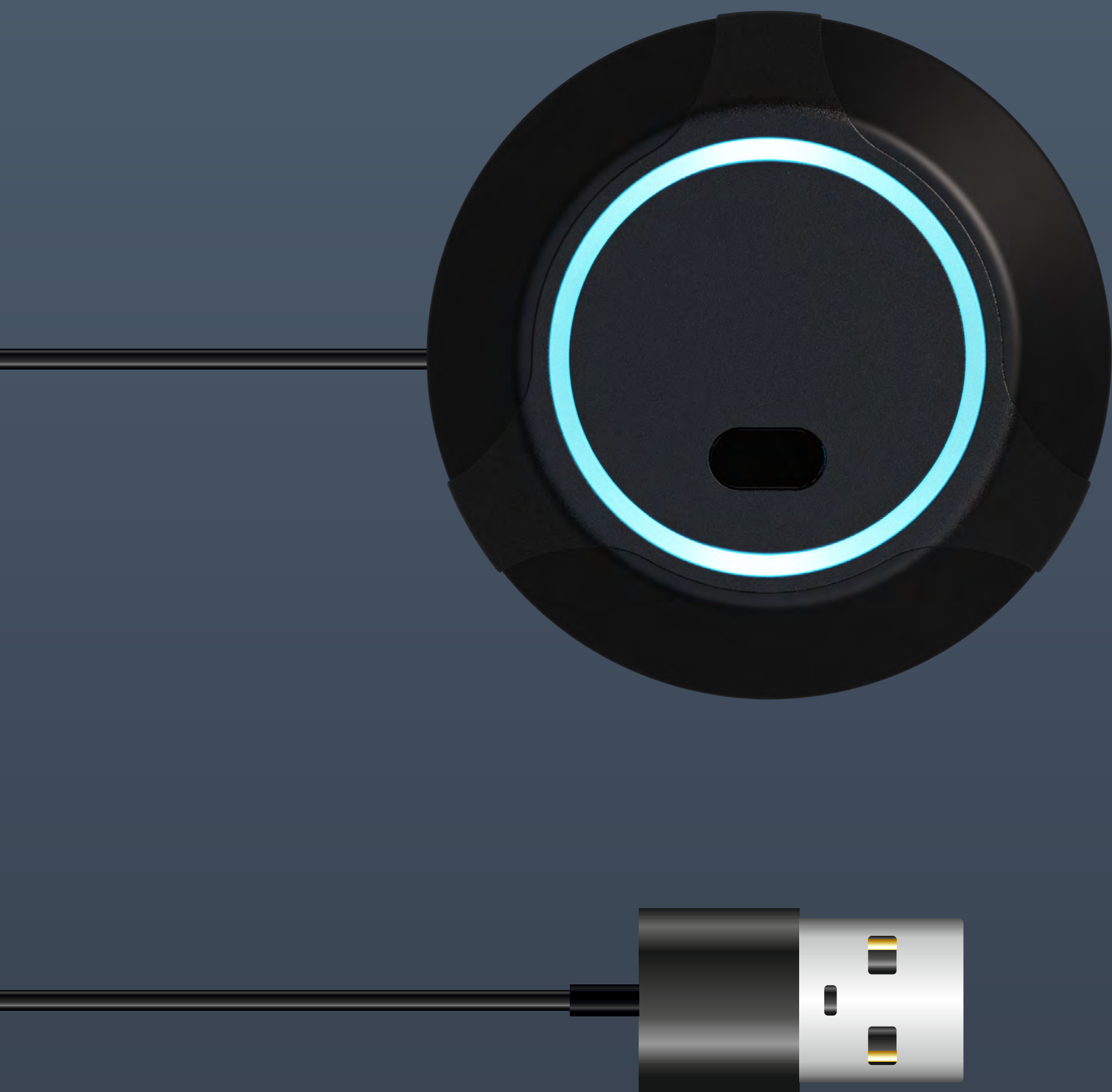
Physical characteristics

• Housing material	ABS plastic UL94 V-0
• Dimensions (diameter, height)	2.36" x 0.86" (60 x 22 mm)
• USB cable length	40" (100 cm)
• Weight	1.59 oz (45 g)

Device Dimensions



Device Appearance



The manufacturer reserves the right to modify the external pin assignments and their placement, as well as the appearance of the device without prior notice. These changes may be made to improve functionality or ergonomics, or to comply with technical requirements and standards. Users are advised to consult the latest versions of technical documentation and instructions before using the device.