

AI-RF-DT-R3 Desktop RFID Reader

AI-RF-DT-R3 is a newly-developed desktop UHF reader. It supports Windows/ Android/IOS applications, and enables short read distance within 45cm. Combined with high-efficiency collision processing algorithm, it delivers fast reading and writing of tags and maintains high identification rate as well. And it allows data transmission via Bluetooth, Type C USB. R3 can be deployed in retail collection, logistics, identity verification, smart parking, access control, anti-counterfeiting system, production process control, etc.



Specification

Physical Characteristics

Dimensions	318 mm × 318 mm × 20 mm
Weight	1133 g / 39.96 oz.
Port	Type C USB
Power Supply	USB, Type-C
LED Indicator	Power
	BT connection status
	Working (flash when scanning tags)

Developing Environment

SDK	USB, Android / Windows
	Bluetooth, Android / IOS

Communication

Type C USB	USB connection to realize data transfer
BT	Bluetooth 4.0

User Environment

Operating Temp.	-20 °C to +50 °C
Storage Temp.	-40 °C to +70 °C
Humidity	5%RH - 95%RH non condensing
Sealing	IP65

UHF

Frequency	860-960MHz (Custom-design for frequency band)
Protocol	EPC C1 GEN2 / ISO18000-6C
Output Power	1dBm-30dBm, 1dBm (Stepper)
Read Range	< 45cm

