

# SURFACE



# SURFACE

Surface 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 & maintains high identification rate as well. And it allows data transmission via Bluetooth, Type C USB.

Surface can be deployed in retail collection, logistics, identity verification, smart parking, access control, anti-counterfeiting system, production process control, etc.

# SPECIFICATION



## PHYSICAL CHARACTERISTICS

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

## DEVELOPING ENVIRONMENT

<b>SDK</b>	USB, Android / Windows
	Bluetooth, Android / IOS

## COMMUNICATION

<b>Type C USB</b>	USB connection to realize data transfer
<b>BT</b>	Bluetooth 4.0



## USER ENVIRONMENT

<b>Operating Temp.</b>	-4°F to 122°F / -20°C to 50°C
<b>Storage Temp.</b>	-40°F to 158°F / -40°C to 70°C
<b>Humidity</b>	5%RH - 95%RH non condensing
<b>Sealing</b>	IP65

## UHF

<b>Frequency</b>	865-868 / 920-925 / 902-928 MHz ( custom-design for frequency band )
<b>Protocol</b>	EPC C1 GEN2 / ISO18000-6C
<b>Output Power</b>	1dBm-30dBm, 1dBm ( stepper )
<b>Read Range</b>	Up to 45cm

