



## Smart Omni Mobile Scanner

### Model Name : SHARK-Omni

The SHARK-Omni Scanner provides enterprise UHF RFID and 1D/2D/QR bar code scanning technology, whenever and wherever you need it simply, easily and cost-effectively. Just pair this Bluetooth & USB with your mobile device and attach the mobile device to the SHARK-Omni for a single-handed RFID + Barcode reader solution.

Style – Comfort – Flexibility – Performance – Battery life everyone can appreciate



#### PHYSICAL SPEC

<b>Dimensions Gun-Type</b>	13cm(H) x 8cm(W) x 22cm(L)
<b>Weight</b>	RFID+Barcode Type : 380g
<b>Battery</b>	Gun : 2600mA(Change/Rechargeable) Main : 3000mA(Only Rechargeable)
<b>Connection With phone</b>	USB or Bluetooth

#### RFID Performance

<b>Standards Supported</b>	EPC Class 1 Gen2
<b>RFID Engine</b>	Impinj R2000
<b>Read Rate</b>	150+ tags/sec
<b>Read Range</b>	5~6m (Multi tag) / 20+ ft.
<b>RF Power</b>	5~30dBm(1watt)
<b>Batch Reading Data</b>	RFID : Store 30,000+ Barcode : Store 70,000+



#### USER ENVIRONMENT

<b>Drop Spec</b>	1.5m drops to concrete
<b>Operating Temp.</b>	-10°C to 60°C
<b>Storage Temp.</b>	-30°C to 80°C
<b>Humidity</b>	5~70% non-condensing
<b>Sealing</b>	IP53
<b>Display</b>	1.3" inch OLED LCD
<b>Charger</b>	Wireless charging with Cradle
<b>LED Status</b>	Status of charging/Data/Bluetooth

#### COMMUNICATION

<b>Bluetooth</b>	Bluetooth Version 2.1 or 4.0
<b>USB</b>	USB 2.0 Virtual com port
<b>HID</b>	Keyboard Edge Mode

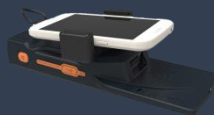
#### Barcode Performance

<b>Barcode Engine</b>	MOTORORA 2D Imager
<b>Scan</b>	1D / 2D / QR /Data-Matrix

### SHARK-Omni 다양한 형태



RFID + Barcode (GUN)



RFID + Barcode (W/O Gun)



At the same time charging Scanner & Phone



Wireless Charger Cradle





# Component of SHARK-Omni



## PATENT OF KOREA

No.	Component
1	Barcode Key (Hot Key)
2	RFID Key (Hot Key)
3	Gun trigger
4	Display Panel
5	Power Button
6	Battery Charging LED
7	Bluetooth Paring LED
8	Data Communication LED
9	HID Communication For Charge Phone & Scanner
10	Smart Phone or Tab (~8inch)
11	RFID Antenna
12	Barcode Module
13	Wireless Charger
14	Wireless Charger Cradle
15	Smartphone Holder

## Android Demo Application

