

## Wing 820 New Android Long Range Handheld Reader



### Features

- Excellent: Impinj R2000 chip with UHF more than 12m reading distance.
- Powerful: Android 8.1 OS, MTK MT6765 Octa-core 2.3GHz
- Humanist: hand grip ergonomic design, light weight
- Industrial IP65 rugged, 1.2M Drop to concrete, applying to kinds of severe environment

## Specification Name: Wing 820, model number HY820

### Performance Characteristics

CPU	MTK MT6765 Octa-core (4×A53 2.3Ghz, 4×A53 1.8Ghz)
Operating System	Android 8.1 (GMS Certified)
Memory	32 GB ROM+4 GB RAM
Display	5.65" FHD+ 1080×2160
Standard I/O Port	USB Type C OTG
Expansion Slot	1 Micro SD Slot, 2 SIM Slots
Notification	Indicator LED, Speaker

### Network Characteristics

WIFI	802.11a/ac/b/g/n (2.4G+5G) GSM(B2/B3/B5/B8)
WWAN(Overseas)	WCDMA: B1/B2/B5/B6/B8 TDD-LTE: B38/B40/B41(100M) FDD-LTE: B1/B3/B5/B7/B8/B18/B19/B20/B26
GPS	GPS + AGPS , BeiDou, with internal Antenna
Bluetooth	5.0

### UHF RFID

Protocol	ISO/IEC 18000-6B, ISO/IEC18000-6C / EPC C1G2
Reading Distance	0~ ≥12m(According to Tag & Environment)
Antenna	Circular 4dBi
RF output	0-33dBm adjustable USA:902-928MHz (FCC part 15)
Frequency	EU: 865-868MHz (ETSI EN 302 208) CHN:920-925MHz(CMII)

### Physical Characteristics

Dimensions(L x W x H)	Full set: 164mm(L)×99mm(W)×148.5mm(H)
Weight	About 630g
Micro SD card	Maximum support 64G Micro SD card
Storage Temp.	-40°C ~ +85°C
Operating Temp.	-20°C ~ +70°C
Humidity	5% RH ~ 95%RH (non-condensing)

Drop Spec. 1.2M Drop to concrete

Dust & Water Proof IP65

### Data Capture & Data Processing Device

Camera Rear: 13.0MP(PDAF)+Flash led  
Front: 5.0MP(FF)

Barcode Engine 2D Imager Barcode Scanner

### Battery Supply

Main Battery Lithium Polymer 10,000mAh(Rechargeable)

### Accessories

Power Adapter Input AC100V ~ 240V / Output DC 9V 2A

## Construction appearance

