

# PM85/RF851

## RFID UHF Handheld Reader



- Qualcomm 1.8 GHz Octa-Core processor
- Android 9.0 support
- Up to 4 GB RAM / 64 GB storage
- 5-inch FHD high-brightness (500 nits) display
- Corning® Gorilla® Glass
- Seamless connectivity anywhere with LTE, GPS, and Bluetooth 5.0 support
- Rugged durability with resistance to drops from up to 1.5 m
- IP52-rated dust and water resistance



Supports multiple network  
(a/b/g/n/ac, etc.)



1D or 2D  
Barcode Scanning



Rugged durability  
1.5 M drop resistance

# SPECIFICATION

PERFORMANCE	
<b>Processor</b>	Qualcomm Snapdragon 1.8GHz Octa-core
<b>Operating System</b>	Android 8.1 or 9.0 FOTA (Firmware Over The Air) update is available via MS Azure™ Cloud
<b>Memory</b>	3GB / 32GB or 4GB / 64GB (Optional)
PHYSICAL CHARACTERISTICS	
<b>Dimension</b>	81.3 x 153.8 x 142.2 mm
<b>Weight</b>	620g
<b>Power</b>	PM85 (PDA) : 2,900mAh Li-ion rechargeable RF851 : 3,250mAh 3.6V Li-ion, removable 5V/1.3A via Pogo-Pin of PM85 or 5V/2A Adaptor
<b>Display</b>	5.0", IPS panel (1080 x 1920 pixel) FHD LED backlight Daylight readable (500 nits typical) Wideviewing angle Multi-touch capacitive Corning Gorilla glass
<b>Standard Communications</b>	USB Type C, USB to Serial Communication
<b>Notification</b>	Charging LED, Status LED, Connect-Mode, Trigger-Mode LED

WIRELESS COMMUNICATION	
<b>Bluetooth</b>	PM85 (PDA) : Integrated Bluetooth Class I, Ver. 5.0, BLE support RF851 : Bluetooth Ver. 4.2 BR/EDR/BLE
<b>GPS</b>	GNSS Receiver Support for A-GPS, GLONASS, Galileo, Beidou
<b>WLAN</b>	IEEE 802.11a/b/g/n/ac/d/h/i/k/r/v
<b>WWAN</b>	2G : GSM/GPRS/EDGE (850/900/1800/1900) 3G : WCDMA (Band 1/2/4/5/6/8/19) 4G : TD-LTE Band 38/39/40/41, FDD-LTE Band 1/2/3/4/5/7/8/12/13/ 14/17/19/20/28

USER ENVIRONMENT	
<b>Operating Temp.</b>	-10°C to 50°C
<b>Storage Temp.</b>	-25°C to 70°C
<b>Humidity</b>	5% to 95% (non-condensing)
<b>Drop Specification</b>	1.5M to concrete
<b>Dust &amp; Water Proof</b>	IP52

\*Some features are optional and must be selected upon purchase.

\*All Features and specifications described are subject to change without notice.

## ACCESSORIES



**RF851 GUN Battery**  
Replaceable / Spare battery



**PM85 Battery**  
Standard / High-capacity options



**Hand Strap**  
Dedicated strap for PM85



**220V Converter**  
Country-specific plug compatibility



**Adapter**  
Power supply adapter



**USB Cable**  
USB Type-C / 1.5M



**4 Slot GUN Battery Cradle (Optional)**  
Charges 4 batteries simultaneously



**Single Slot Cradle**  
Single-battery charging / Data sync