

# PM80

## SMART BEYOND RUGGED ENTERPRISE MOBILITY

### Powerful Qualcomm Snapdragon frees your work

Qualcomm's Snapdragon MSM8916 processor is a market-proven AP(Application Processor) which has a Quad-Core with 1.2GHz clock speed. It is truly a SoC(System on a Chip) having 4G LTE, Wireless LAN, Bluetooth, S-GPS and Camera bus interface.

### Wider and brighter IPS display provides better visibility

PM80 adopts 5.0" IPS panel TFT-LCD with capacitive, and it supports wide-viewing angle and daylight readability to maximize the best performance in the outfield. Corning Gorilla Glass 3 protects the screen for maximum durability.

### Powerful wireless, 4G LTE, and versatile data-input functions

PM80 is completely tuned for Enterprise workforces with smooth hand-over between WWAN and WLAN, seamless roaming among many routers & access points in the harsh working environment as Enterprise users prioritize seamless connectivity to speed. Also, to provide various data input functions up on customers' needs, PM80 is built-in with the latest 1D/2D imaging barcode scanner, NFC HF RFID 13.56MHz & an encrypted 3-track Magnetic Stripe Reader. While the encrypted 3-track MSR is optional, it is protected from any possible counterfeits, and unauthorized data access with Point Mobile's data encryption technology. PM80 is a truly hybrid mobile computer, having the design of a commercial smartphone with the features for Enterprise.



### Industries

- Retail
- Field Services
- Public Sector
- Transport & Logistics
- Hospitality

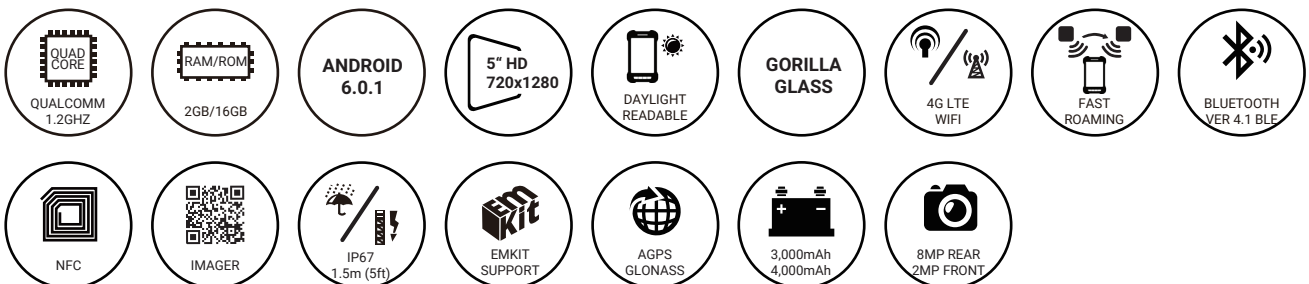
### Accessories

#### Standard

- AC/DC Power Adaptor
- Standard Battery
- Stylus Pen and Tether
- Wrist Landyard
- LCD Protection Film

#### Optional

- I/O sync USB Cable
- Extended Battery
- Single Slot Cradle (opt. Ethernet)
- 4 Slot Battery Charger
- 4 Slot Cradle
- Rubber Boot with Hand Strap
- Charging Converter
- Gun Handle (opt. UHF RFID)



# PM80

## PERFORMANCE CHARACTERISTICS

### Main-Processor

Qualcomm MSM8916 @ 1.2GHz Quad-core APQ8016

### Operating System

Google Android 6.0.1 Marshmallow  
(CTS & GMS is certified) FOTA (Firmware Over The Air) update is available via MS Azure™ Cloud

### Memory and Storage

RAM 2GB  
ROM 16GB  
NAND Flash Slot  
Micro-SD Micro-SD card slot supports up to 32GB SDHC

### Sensor

Gyroscope, Accelerometer, Light Sensor  
Proximity Sensor

## PHYSICAL CHARACTERISTICS

### Dimensions

With MSR 156mm L x 82mm W x 22mm D  
6.1in L x 3.2in W x 0.9 in D

Without MSR 156mm L x 82mm W x 21mm D  
6.1 in. L x 3.2 in. W x 0.8 in D

### Weight

With MSR 293g / 10oz  
Without MSR 279g / 9.8oz

### Display

5.0", IPS panel (720 x 1280 pixel) HD  
Multi-touch capacitive Corning Gorilla glass  
Daylight readable (500 nits typical)  
Wideviewing angle  
Anti-raindrop

### Power

Standard Battery 3,000mAh Li-ion rechargeable  
Extended Battery 4,000mAh Li-ion rechargeable

### Keypad

4 physical keys  
(Recent Apps, Home, Back & Programmable)

### Audio Support

Supports VoIP  
Two built-in microphones (Noise-cancelling)  
Speaker  
Receiver and headset jack (3.5mm)  
Wireless Bluetooth headset support

### Standard Communications

High speed USB 2.0 from either cradle or USB direct sync cable

### Notification

Front 2 x dual color LEDs for Power, Warning, & Scan reading

### Scan Alert

Vibration

## GLOBAL POSITIONING SYSTEM

### GPS

Integrated GPS, GLONASS and BeiDou.  
Simultaneous-GNSS and Standalone-GNSS without WAN

## WIRELESS

### Wireless WAN

EDGE/GPRS/GSM 900/1800  
WCDMA B1/2/5/6/8/19  
LTE FDD B1/2/3/4/5/7/8/17/20  
LTE TDD B40/41

### Wireless LAN

Radio IEEE 802.11a/b/g/n/d/h/i/k/r/v, IPv4, IPv6, 1X1 SISO  
Data Rates IEEE 802.11a/n: Up to 150 Mbps; IEEE 802.11b/g/n: Up to 72.2 Mbps

Operating Channels 1 to 13 (2412~2472MHz), 36 to 165 (5180~5825MHz)

Channel Bandwidth 20, 40 MHz

Security and Encryption WEP(40 or 104bit), WPA/WPA2 Personal (TKIP, AES); WPA/WPA2 Enterprise (TKIP/AES) - PEAP(MSCHAPv2, GTC), TLS, TTLS(PAP, MSCHAP, MSCHAPv2, GTC), PWD, SIM, AKA, AKA, FAST(MSCHAPv2, GTC), LEAP

Fast Roam PMKID Caching: Cisco CCKM, 802.11r

### Wireless PAN

Bluetooth Integrated Bluetooth Class II, Ver. 4.1+EDR/LE  
Channels 0 to 78 (2402-2480MHz)  
Data Rates 1, 2, 3Mbps

## DATA CAPTURE

### NFC (Near Field Communication)

P2P NFC with 1 SAM slot (13.56MHz HF RFID)  
Supported TAG-ICs : MIFARE® 1k/4k/Plus, MIFARE UltraLight, MIFARE UltraLight C, MIFARE DESFire, MIFARE DESFire EV1, ISO 14443 A & B

### Camera

Rear 8.0MP with LED flash  
Front 2.0MP

### Integrated Barcode Reader

1D/2D Imager All 1D/2D standard symbology including GS1 databar

### Magnetic Stripe Reader (Optional)

MSR / IC combo reader  
ANSI / ISO7813 standard

## USER ENVIRONMENT

Operating Temperature -20°C to 60°C / -4°F to 140°F

Storage Temperature -25°C to 70°C / -13°F to 158°F

Humidity 95% Non-condensing

Drop MIL-STD 810G for 1.5m (5ft)

Water / Dust Proof (Sealing) IP67

Tumble 250cycle (500hits) at 1m / 3.3ft

Electrostatic Discharge ±15 kV air discharge  
±8 kV contact discharge

## REGULATORY APPROVALS AND COMPLIANCE

Certified CE & GCF, FCC & PTCRB (GCF test report), IC, ANATEL, CCC & SRRC & NAL, KC, TELEC & JATE, CB, RCM  
Environmental: RoHS II & WEEE compliant

## ENTERPRISE SOLUTION

SOTI, Airwatch, Teamviewer



- Power Launcher** Kiosk mode with system restriction  
Allows admin to restrict operator's access to system settings, MTP connection and screen capture
- Direct Clone** Master PDA becomes a local server for a nearby Point Mobile device to automatically communicate and download/restore backup files
- Scan2Set** Unique two-step feature for Point Mobile Android models that enables the fastest device deployment right out of the box