

# PM80-GPRS

## SMART BEYOND RUGGED ENTERPRISE MOBILITY

### Powerful Qualcomm Snapdragon will free your work

Qualcomm's Snapdragon MSM8916 processor is a market-proven AP(Application Processor) which has Quad-Core with 1.4GHz clock speed. It is truly SoC(System on a Chip) having Wireless LAN, Bluetooth, S-GPS and Camera bus interface.

### Google Android 6.0.1 & Microsoft Windows 10 IoT Enterprise are the heart of system

PM80-GPRS runs on Google's latest Android 6.0.1 Marshmallow Operating System and it is certified by Google Mobile Services (GMS) to support all Google official API including Google Play. Now, New Windows 10 IoT is released and available. You can choose and enjoy Win 10 with best selling product, PM80-GPRS.

### Wider & Brighter IPS display provides better visibility

PM80-GPRS adopts 5.0" IPS panel TFT-LCD with capacitive touch screen and it supports wide-viewing angle and daylight readability in order to maximize the best performance in the out-field. To support harsh environment, top of screen is protected Corning Gorilla Glass 3 for maximum durability.



### Frequently using 4 "HARD" keys towards field-work-forces

Most of Enterprise EDA in the market adopts capacitive-based touch button even for the most frequently used Recent App, Home, Back button. Not every user prefer to use Stylus pen in the field, PM80-GPRS features with 4 hard keys : Home, Menu, Back button and plus user-programmable / assignable key, which is very essential for various field applications.

### Powerful Wireless; IEEE 802.11 a/b/g/n and versatile data-input functions; 1D/2D, NFC & MSR

As of Enterprise mobility purposes, PM80-GPRS is completely tuned for Enterprise work-forces; smooth hand-over between WWAN and WLAN each other, seamless roaming among many routers & access points in the harsh working environment, because Enterprise users prior seamless connectivity to speed. Also, to provide various data input functions up on various customers' need, PM80-GPRS is built-in with latest 1D/2D imaging barcode scanner, NFC HF RFID 13.56MHz & encrypted 3-track Magnetic Stripe Reader. Especially, MSR is an optional feature and it is free from any possible counterfeit and unauthorized data access thanks to Point Mobile's data encryption technology. PM80-GPRS is truly hybrid because shape & design is following commercial smartphones but features are truly towards Enterprise users.

 Qualcomm	 2GB / 16GB	 ANDROID 6.0.1 WINDOWS 10	 5.0" HD 720x1280	 DAYLIGHT READABLE	 GORILLA GLASS	 802.11 a/b/g/n	 FAST ROAMING	
 NFC	 IMAGER	 8M REAR 2M FRONT	 BLUETOOTH	 Built-in GPS	 3000mAh 4000mAh	 IP67	 1.2M(4ft)	 KIT SUPPORT

# PM80-GPRS

## 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  
Corning Gorilla Glass®  
Daylight readable (500 nits typical)  
Wideviewing angle  
Capacitive touch  
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

Full 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

## PERFORMANCE CHARACTERISTICS

### Main-Processor

Qualcomm MSM8916 @ 1.4GHz Quad-core

### Operating System

Google Android	6.0.1 Marshmallow (CTS & GMS is certified)
Windows	10 IoT Enterprise Mobile

### 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

## 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 1.2m (4ft) over the operating temperature

**Water / Dust Proof (Sealing)** IP67

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

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

## DATA CAPTURE

### NFC (Near Field Communcation)

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
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### Magnetic Stripe Reader (Optional)

3 track MSR with water proof sealed ANSI / ISO7813 standard, Encrypted

## GLOBAL POSITIONING SYSTEM

### GPS

12 channel integrated GPS: assisted via WAN carrier: accuracy within 3m, Stand-alone GPS available, support GLONASS

## WIRELESS

### Wireless WAN

EDGE/GPRS 850/900/1800/1900  
WCDMA 850/900/1900/1700/2100 MHz  
LTE FDD2, FDD3, FDD4, FDD5, FDD13, FDD17  
ONLY GPRS - DATA FUNCTIONS AVAILABLE.  
THERE IS NO GSM FUNCTION (VOICE CALLING FUNCTION)

1) Our developed or any new custom develops for operating system for the devices will not be run and the device will not be turned on in the case of the any attempt.  
2) GSM function(Voice Calling Function) cannot be enabled by external intervention also by producer POINT MOBILE CO. LTD.

### Wireless LAN

Radio	IEEE 802.11a/b/g/n/d/h/v/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 Channels	Integrated Bluetooth Class II, Ver. 4.0 0 to 78 (2402-2480MHz)
Data Rates	1, 2, 3Mbps

## 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

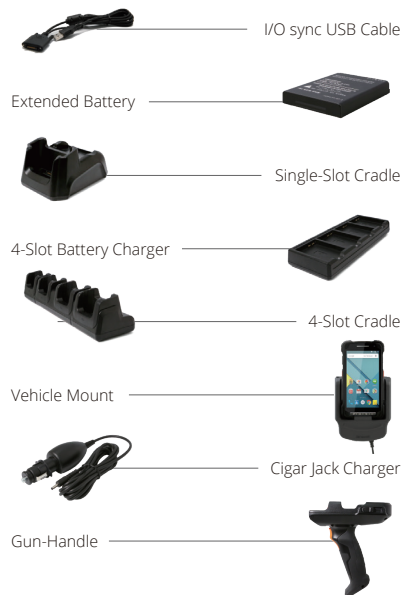
**Scan2Set** Unique two-step feature for Point Mobile Android models that enables the fastest device deployment right out of the box

## ACCESSORIES

### Standard Accessories



### Optional Accessories



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