

PM80

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 1.2GHz clock speed. It is truly SoC(System on a Chip) having 4G LTE, 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 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.

Wider & Brighter IPS display provides better visibility

PM80 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 features with 4 hard keys : Home, Menu, Back button and plus user-programmable / assignable key, which is very essential forious field applications.

Powerful Wireless; 4G LTE & IEEE 802.11 a/b/g/n and versatile data-input funtions; 1D/2D, NFC & MSR

As of Enterprise mobility purposes, PM80 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 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 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 | 4G LTE | 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

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 @ 1.2GHz Quad-core

Operating System

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

Memory and Storage

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|------------|---|
| 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 |
|---------------------|--------------------------------|

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|----------|--------------------|
| Humidity | 95% Non-condensing |
|----------|--------------------|

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|------|--|
| Drop | MIL-STD 810G for 1.2m (4ft) over the operating temperature |
|------|--|

Water / Dust Proof (Sealing)

| | |
|--------|----------------------------------|
| 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

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

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

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|---------------|--------------------------------------|
| EDGE/GPRS/GSM | 850/900/1800/1900 |
| WCDMA | 850/900/1900/1700/2100 MHz |
| LTE | FDD2, FDD3, FDD4, FDD5, FDD13, FDD17 |

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 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



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|----------------|--|
| 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

