

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 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 and versatile data-input functions

PM80 is completely tuned for Enterprise workforces with smooth hand-over and 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, & 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

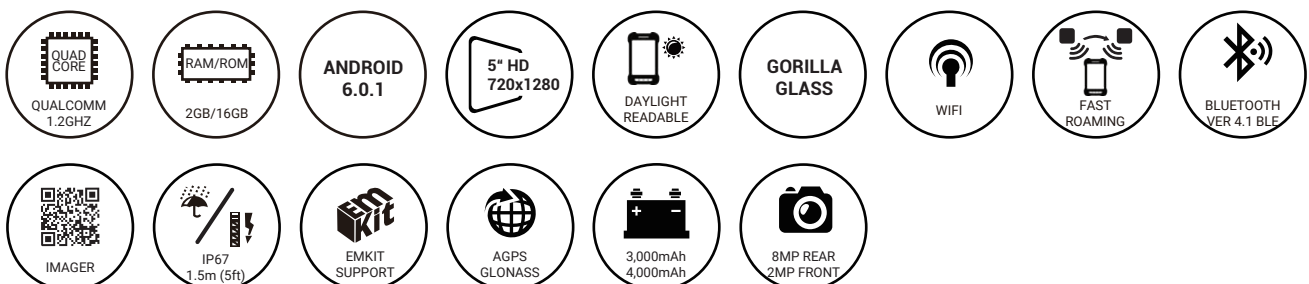
Accessories

Standard

AC/DC Power Adaptor
Standard Battery
Stylus Pen and Tether
Wrist Lanyard
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)





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 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, 80 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 I, Ver. 4.1+EDR/LE 0 to 78 (2402-2480MHz)
Data Rates	1, 2, 3Mbps

DATA CAPTURE

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

	EmKit
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