POINT Mobile

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
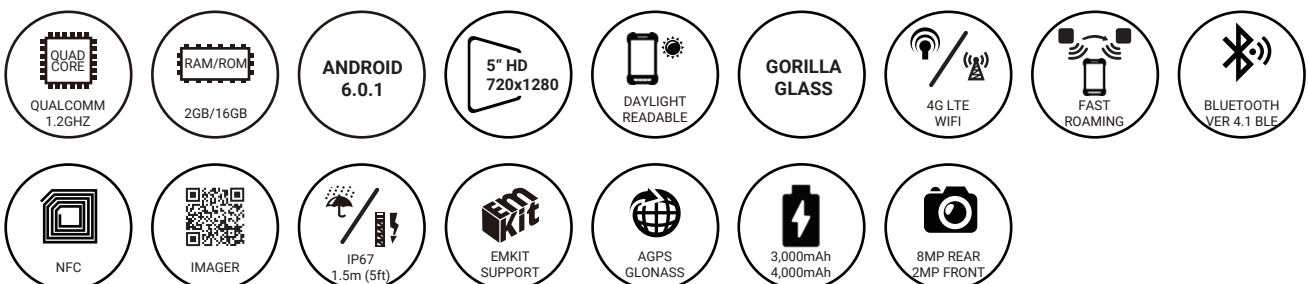Field Services
Public Sector
Transport & Logistics
Hospitality

Accessories

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

QUAD CORE QUALCOMM 1.2GHZ	RAM/ROM 2GB/16GB	ANDROID 6.0.1	5" HD 720x1280	DAYLIGHT READABLE	GORILLA GLASS
4G LTE WIFI	FAST ROAMING	BLUETOOTH VER 4.1 BLE			
NFC	IMAGER	IP67 1.5m (5ft)	EMKIT SUPPORT	AGPS GLONASS	3,000mAh 4,000mAh
8MP REAR 2MP FRONT					

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

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

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	Solution for restoring the devices to the same settings with no internet connection. With Direct Clone, a Master PDA becomes a hotspot server and sends its backup file to nearby client devices to clone the settings.
Scan2Set	Scan2Set is designed for decoding the secured QRcode made by Point Mobile's QRcode Generator. Just a single scan will make any device setup quick and painless.