POINT Mobile

PM80

SLIMMEST HYBRID RUGGED ENTERPRISE SMARTPHONE

Powerful Quaclomm Snapdragon will free your work

PM80 adopts Qualcomm's Snapdragon MSM8916 processor. MSM8916 is based on Quad-Core and 1.4Ghz. Quad-Core let you handle multiple applications at the same time and 1.4Ghz is enough to handle any Database-built-in applications.

Latest Google Android Lollipop is the heart of the system

PM80 runs on Google's latest Android 5.1 Lollipop Operating System and it is certified by Google CTS to support all Google official API including Google Play. Any applications based on Google API can be maximized in terms of performance including any 3rd party MDM(Mobie Device Management) solutiuon like SOTI. Lollipop 5.1 is also supporting fairly-good security solution for your work-force.

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 dayllight redability in order to maximize the best performance in the out-field. C-Pen provided as a standard accessory will provide any workers with gloves in the field.

Frequently used 4 hard keys truly for field-work-forces

Most of Enterprise EDA in the market adopts capacitive-based touch button even for the most frequently used Home, Menu, Back button. Not every user prefer to use Stylus pen in the field, PM80 is made with hard keys and it consists of 4 keys - Home, Menu, Back button and plus user-programmable/assignable key.

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

As of Enteprise 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 imaing 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.

Quad 1.4G Qualcomm	RAM/ROM 1GB / 8GB	ANDROID 5.1 LOLLIPOP	WVGA 1280x768	DAYLIGHT READABLE	5" SCREEN CAPACITIVE	4G LTE	802.11 a/b/g/n
NFC	IMAGER	8M REAR 2M FRONT	BLUETOOTH	Built-in-GPS	3100mAh 4000mAh	IP67	1.2M(4ft)

Technical Specifications

Physical characteristics
Dimensions: 77.9x152.5x17.2mm (3.0x6.0x0.6 in)
Weight: 270g (9.52oz) with 3,100mAh battery

Environmental
Operating: -20°C to 60°C (-4°F to 140°F)
Storage: -40°C to 70°C (-40°F to 158°F)
Relative Humidity: Non-condensing, 95%
Rain & Dust Proof: IP67
Drop Specification: 1.2m (4 ft) per MIL-STD 810G
Tumble Specification: 500cycle (1,000hit)
@ 1m (3.3ft) tumble
ESD: +/- 15 kV air discharge,
+/- 8 kV contact discharge

Power
Standard Battery: 3,100mAh Li-ion rechargeable
Extended Battery: 4,000mAh Li-ion rechargeable

Operating System
Google Android 5.1 Lollipop

Micro-Processor
Qualcomm MSM8916 @ 1.4Ghz Quad-core

Memory and Storage
Memory: 1GB RAM / 2GB RAM
ROM: 8GB / 16GB NAND Flash ROM
User-accessible micro-SD cards up to 32GB SDHC

Display
5.0 in, IPS panel, 1280 x 768 pixel (WVGA)
TFT-LCD, Daylight readable, Wide viewing
angle, Capacitive touch

Standard Communications
Full speed USB 2.0 from either cradle or
USB sync cable
RS232C from cradle

Integrated Camera
8.0MP(Rear)/2.0MP(Front) color with LED flash

Keypad Options
4 hard keys (Home, Menu, Back & 1 Program key)

Wireless WAN
EDGE/GPRS/GSM:850/900/1800/1900
WCDMA: 850/900/1900/1700/2100 MHz
LTE USA:FDD2, FDD4, FDD5, FDD13, FDD17

Wireless LAN
IEEE 802.11 a/b/g/n Data rates: 150 Mbps
Operating channels: 1 to 13 (2.4Ghz & 5Ghz)
Regulatory compliance: As per IEEE 802.11n
Security: WEP / WPA / WPA2 and more
Authentication: PEAP/MS-CHAPv2, EAP-TLS

Wireless PAN
Integrated Bluetooth Class II, Ver.4.0
Operating channels: 0 to 78 (2402-2480 Mhz)
Data Rates: 1, 2, 3 Mbps

Global Positioning System
12 channel integrated GPS: assisted via WAN carrier:
Network independent: accuracy within 3m

Accelerometer
Embedded accelerometer enables automatic or
application-specific "screen rotation"

Ambient Light Sensor
Automatically adjust required display backlight to
maximize battery life

Integrated Barcode Scanner / RFID
2D Imager Scanner: supporting all 1D/2D
standard Symbology including GS1 Databar
NFC HF RFID: 13.56Mhz. Supports
ISO15693, ISO14443A/B, Felica

LED Indicator and Scan Alert
Indicator: 2 x dual color LEDs on front:
1) Power, 2)Warning, 3)Scan reading
Scan Alert: Vibration

Audio Support
Supports VoIP, Built-in microphone and speaker, receiver
and headset jack (3.5mm), Wireless Bluetooth
headset support

Accessories
Standard accessories: AC/DC power adaptor &
country plug, Stylus pen & tether, Hand strap, Battery,
LCD protection film, USB sync cable.
Optional accessories: Single-slot cradle, 4-slot Cradle,
4-slot Battery Charger

Regulatory Approvals and Compliance
Safety: EMC, UL, RF, Laser, LED approvals
Radio: FCC, CE, KCC Marks
Environmental: RoHS & WEEE compliant

Standard accessories

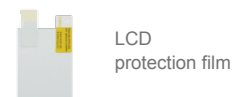AC/DC Power Adaptor

Standard Battery

Stylus pen and tether

USB Sync cable

Hand strap

LCD protection film

Optional accessories

Single-slot Cradle

Single-slot Ethernet Cradle

4-slot Battery Charger

4-slot Cradle