

RUGGED ENTERPRISE MOBILITY

PM80

Since your field teams are, well, out in the field, you need devices that are tough and durable yet as convenient as a contemporary smartphone.

Point Mobile's latest model of PM80 is here for you.



CPU
Give your business wings with Qualcomm® Snapdragon™

With Qualcomm's Snapdragon 1.2GHz quad-core mobile processor, PM80 enables you to make unbelievable performances possible: reliable and crystal-clear voice calls, superior internet connectivity and battery efficiency including faster charging and longer life. The battery charges up to four times faster, so you spend less time plugged in and more time doing the things you need to do.

OS
Multiple OS Support with Google and Microsoft

PM80 is supported by two major operating systems, Android 5.X Lollipop (and 6.0 Marshmallow) and Windows 10 IoT Enterprise Mobile. With full certification of Google Mobile Services (GMS), PM80 supports all Google official APIs including Google Play.



Features

Enterprise Mobility Kit = EmKit



Point Mobile proudly announces EmKit [æmkɪt], a fully customized suite for the enterprise mobility market. EmKit includes EmKit Secure, EmKit Wireless, EmKit Remote and EmKit Suite.

- EmKit Secure** features device lock-down, peripheral lock-down via industrial grade encryption.
- EmKit Wireless** incorporates require industrial grade Wi-Fi, such as fast-roaming, smooth hand-over and CCX v4 compatible.
- EmKit Remote** World-proven pre-installed MDM launchers (such as Airwatch, SOTI, Teamviewer)
- EmKit Suite** includes button-programming, device-info loading for licensing, SDK and sample-source shares etc.

Imager

Reliable Scanning Performance



With our advanced scanning technology, the PM80 delivers a lighting speed linear and 2D bar code scanning. Whether the bar code is poorly printed, destroyed, stained, placed high or low on a shelf, you can still expect a reliable scanning performance. PM80 NFC supports a variety of NFC tags, such as MiFare 1K/4K, MiFare Ultra-light, MIARE Desfire as well as ISO14443A/B and ISO15693 coding.

Battery

Stay connected with Hot-swap batteries



Is it impossible not to worry about the battery lasting while you work out in the field? Because your business needs constant connectivity, your device needs to stay connected 24/7. That's why the PM80 has two battery sizes to suit your needs along with a true hot-swap feature to keep your device on while powering back up.

Screen / Ruggedness

Unbeatable Durability



Want a durable, full-screen device that survives multi drop onto rough surfaces such as concrete, or even wet ground? Optimized for use out in the field, the PM80 has IP67 ratings and survives 1.5m(5ft) multi-drops. The PM80 uses Corning Gorilla Glass 3, which is formulated to offer three times more damage resistance than a former Gorilla Glass. Your employees can carry the device literally anywhere without concerns.

Four hard keys

Hot Key Access



Quickly access your destinations with four 'Hot keys'. Navigate your recently used applications, home key, quick back navigation and even create your own dedicated key for a scanner, camera, messenger or another frequently used application. These physical keys make the PM80 easy to control even when wearing gloves.

Healthcare Solution PM80HC



In modern healthcare facilities, hospitals, clinics and nursing centers, demand of smart devices is dramatically increasing. PM80 can serve for every kind of medication verification solution, asset-tracking, inventory management, specimen control and so-on. Now PM80HC comes with disinfectant-ready housing, which is fully tested with sanitizing wipes, such as Sani-Cloth and Sani-Wipes. PM80HC still withstands 1.2meter drop resistant and IP67 water/dust proof durability under various working environments.



Payment & ID Verification

PM80ID



PM80 ID comes with the world-standard of smartcard security. EMV Level1 and Level2 certified IC card reader and encrypted MSR (Magnetic Stripe Reader) is integrated seamlessly to the housing. PM80 ID is designed for identity card verification where is required at many high-security facilities and premises. PM80 ID supports reading the European Citizen Card CEN/TS 15480. 1 SAM(Secure Access Module) slot is located inside the battery compartment.

For scan intensive work environments

PM80GUN



Since more and more warehouses and logistic facilities adopt Android devices, PM80 now supports a gun handle as an optional accessory. Your existing PM80 device slides in directly and locks in place. PM80GUN is designed for scanning-intensive user applications at various working environments, such as warehouse management, picking & packing and retail inventory management. A gun-handle equipped PM80 can be connected not only with a wall charger to charge a PM80's battery, but also with a micro USB cable.



PM80

PHYSICAL CHARACTERISTICS

Dimensions

With standard batt. 156mm L x 82mm W x 19mm D
6.1 in. L x 3.2 in. W x 0.75 in D

With extended batt. 156mm L x 82mm W x 23mm D
6.1 in. L x 3.2 in. W x 0.9 in D

Weight

With standard batt. 292g / 10.3oz

With extended batt. 319g / 11.2oz

Display

5.0", IPS panel (720 x 1280 pixel) HD
Gorilla Glass 3
Daylight readable
Wide viewing angle
Capacitive touch
Wet-touch / Gloved-touch

Power

3,000mAh Li-ion rechargeable
Standard Battery
4,000mAh Li-ion rechargeable
Extended Battery
60mAh builtin back-up battery (Hot-Swap)

Keypad

4 physical keys
(Recent apps / Home / Back / Programmable)

Audio Support

Supports VoIP
Built-in two microphone (Noise cancelling)
Dual magnetic 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

PERFORMANCE CHARACTERISTICS

Main-Processor

Qualcomm® MSM8916 @ 1.2Ghz Quad-core

Operating System

Google Android 5.0 Lollipop / 6.0 Marshmallow
(CTS & GMS certified)
Microsoft Windows 10 IoT (Q3 2016)

Memory and Storage

RAM 1GB / 2GB
ROM (NAND Flash) 8GB / 16GB
Micro-SD Up to 32GB SDHC

Sensor

Proximity sensor
Light ambient sensor
Accelerometer sensor
Gyroscope sensor

MSR (Magnetic Stripe Reader)

ANSI/ISO-7813 full track
AES-128 CBC mode, DUKPT support

GLOBAL POSITIONING SYSTEM

GPS

Qualcomm® IZaTM engine: Gen8C support for three bands concurrently
GPS, Beidou and Glonass or Galileo

REGULATORY APPROVALS AND COMPLIANCE

Certified CE & GCF, FCC & PTCRB, IC, CCC & SRRC & NAL, KC, TELEC & JATE, CB, RCM
Environmental: RoHS II & WEEE compliant

DATA CAPTURE (IMAGER)

Camera

Rear 8.0MP with LED flash
Front 2.0MP

Integrated Barcode Reader

1D/2D Imager Supporting all 1D/2D standard
Symbology including GS1 Databar

NFC (Near Field Communication)

NFC with 1 SAM slot (13.56Mhz HF RFID)
P2P support
MIFARE® 1k/4k/Plus
MIFARE UltraLight
MIFARE UltraLight C
MIFARE DESFire
MIFARE DESFire EV1
ISO 14443 A & B
ISO 15693

WIRELESS

Wireless WAN

EDGE/GPRS/GSM 850/900/1800/1900
WCDMA 850/900/1900/1700/2100 MHz
LTE FDD1, 2, 3, 4, 5, 7, 8, 17, 20
TDD 40, 41

Wireless LAN

IEEE 802.11 a/b/g/n Data rates: up to 150 Mbps
Operating channels: 1 to 13 (2.4GHz), 36 to 165(5GHz), CCX v4
Regulatory compliance: As per IEEE 802.11n
Security: WEP / WPA / WPA2 and more
Authentication: PEAP/MS-CHAPv2, EAP-TLS

Wireless PAN

Bluetooth Integrated Bluetooth Class II, Ver.4.0 LE
Channels 0 to 78 (2402-2480 MHz)
Data Rates 1, 2, 3 Mbps

USER ENVIRONMENT

Operating Temperature -20°C to 60°C / -4°F to 140°F

Storage Temperature -40°C to 70°C / -40°F to 158°F

Humidity 95% Non-condensing

Drop 1.5m / 5 ft per MIL-STD 810G

Rain / Dust Proof (Sealing) IP67

Tumble 500 cycles (1,000hits) at 1m / 3.3 ft
per IEC 60068-2-32

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

PM80Hc

DISINFECTANT

Housing Disinfectant-ready housing that fully
tested with sanitizing wipes

Approved cleanser PDI Super Sani-Wipes®
PDI Sani-Cloth® Plus
Metrex CaviWipes™
Clorox Dispatch® with Bleach

**Please note that some of these products have chemicals listed above as harmful, but the levels of concentration and combination with other chemicals for these listed products have shown to not cause an issue. Contact the service desk with any questions regarding approved cleaners and disinfectants for PM80Hc.*

PM80ID

PHYSICAL CHARACTERISTICS

With standard batt. 294g / 10.3oz

With extended batt. 322g / 11.3oz

SPECIFIC FEATURES

IC Card Reader EMV Level1 and Level2 certified IC card
reader Level 1 & Level 2 certified
ISO7816-1/-2/-3/-4 fully compatible
(Debit & credit card payment acceptable in
case of No PIN required transaction)

ACCESSORIES

Standard Accessories



AC/DC power adaptor



Country plug



Standard battery



Capacitive stylus pen & tether



Wrist lanyard



LCD protection film

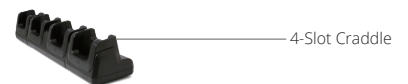
Optional Accessories



Extended battery



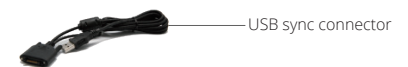
Single-slot cradle



4-Slot Cradle



4-Slot Battery charger



USB sync connector



Gun handle