POINT Mobile

PM90

MOST POWERFUL RUGGED ANDROID DEVICE REDEFINING MOBILITY

Our bestseller just got even better

It does take a lot to make a truly versatile handheld terminal which is suitable for almost any industry. Innovative technology, robust design and years of experience made our PM80 a massive success. Now we gave it a huge upgrade, refined and optimized it, while keeping the features that made it so popular. A new 2.2GHz Octa-core processor powers the Android 11 operating system that the PM90 runs on with 4GB RAM and 64GB ROM memory as a standard option. The bright 5" display was completely redesigned and shows crystal clear information from any angle. All of the hardware buttons (except the power key) can be individually programmed with the pre-installed EmKit. We gave it a new Honeywell Slim Imager Engine for convenient, reliable and fast barcode scanning. And we gave it a bigger battery with 2,900mAh capacity as standard, with an optional extended version with 5,800mAh. We just gave it so much more, while keeping the timeless design with only a little retouch overall. The housing is now ink black which gives it a smooth and stylish finish.

Seven years support: The new PULS program

We extended the lifetime of the PM90 to up to seven years after the market launch. During that period, we will continuously supply security patches, updates and even upgrades to newer Android versions. Installing updates via the pre-installed FOTA (Firmware over the Air) application is fast and convenient as users can perform the update on their own without having to collect all devices from the field. There is no downtime and all data remains safe on the device while only those parts that require fixing will be updated.

android enterprise recommended

Industries

Field Services
Transport & Logistics
Warehouse Management
Retail
Hotels & gastronomy

Accessories

Standard
AC/DC Power Adaptor
Country Plug
LCD Protection Film
USB-C cable
Wrist lanyard
Battery STD 2900 mAh

Optional
Battery EXT 5800 mAh
Single Slot Cradle (option Ethernet and HDMI)
4 Slot Battery Charger
4 Slot Cradle
UHF RFID Reader RF900
Stylus Pen and Tether
Gun Handle

*Caution: for use with RF900, Single Slot Cradle for RF900 (charging only) is required.

Octa core 2.2 GHz	11	3GB/32GB 4GB/64GB	Daylight readable	5.0" HD	Gorilla Glass	STD 2900 mAh EXT 5800 mAh	Enterprise Hot Swap	GPS GLONAS
LTE, WiFi,	Fast WiFi roaming	1x SIM/ 2x SAM	2x 3W speakers	2D imager	13 Mpix Rear 5 Mpx front	NFC	IP67	Push-to Talk

PM90

PERFORMANCE CHARACTERISTICS

Main processor	Qualco mm® Octa-core 2.2 GHz

Operating System

Google Android	11 (upgradable to Android 14)
(GMS & AOSP) The Air)	Upgradable FOTA (Firmware Over

Memory and Storage

RAM/ROM	4GB / 64GB or 3GB / 32GB (optional)
Expansion Slot	User accessible MicroSD up to 32GB SDHC
SAM	2 Micro SAM slot
SIM	1 SIM card slot

Sensors

	Proximity sensor, Light Ambient sensor, Accelerometer, Gyro and Digital Compass

PHYSICAL CHARACTERISTICS

Dimensions

With battery STD	156.42mm x 81.96mm x 21.50mm 6 .16in x 3.23in x 0.85in
With battery EXT	156.42mm x 81.96mm x 23.92mm 6.16in x 3.23in x 0.94in
MSR With battery	156.42mm x 81.96mm x 27.10mm 6.16in x 3.23in x 1.07in

Weight

With battery STD	272g / 9.59oz
With battery EXT	322g / 11.36oz
MSR With battery STD	284g / 10.02oz
MSR With battery EXT	334g / 11.78oz

Display	5.0", IPS panel (720 x 1280 pixel) HD LED backlight Daylight readable (500 nits) Wideviewing angle Multi-touch capacitive Corning Gorilla glass

Power

Battery STD	Li-on, 3,85 V, 2900 mAh
Battery EXT	Li-on, 3,85 V, 5800 mAh
Battery Back-up	3.7 V, 60 mAh (10C), Enterprise Hot-Swap

Keypad	9 physical keys (all keys are programmable excluding the Power key)

Voice and Audio	Two built-in microphones (noise-cancelling) Speaker, max 1W Receiver and headset jack (3.5mm) Bluetooth headset support PTT support

Standard Communication	High speed USB 3.0 (supports battery charging PC, USB memory, digital headset)

Notification

LED	Power (Charging, Battery Fault) Notification (Message, Scan)
Vibration	Yes

GLOBAL POSITIONING SYSTEM

GPS

WiFi SKU : No GPS
Phone SKU : Qualcomm GPS
GNSS Receiver Support for GPS, GLONASS, Galileo and Beidou

WIRELESS

Wireless WAN

EDGE/GPRS/GSM	900/1800/850/1900
WCDMA	B1/2/4/5/6/8/19
LTE FDD	B1/2/3/4/5/7/8/12/13/14/17/19/25 /26/20/28
LTE TDD	B38/B39/B40/41
Wsparcie 2xCA	B1+B5/B7/B8/B19 B3+B5//B8/B19 B2+B5/B17 B4+B5/17 B5+B7 Cat6. 300M DL/ 50M UL

Wireless LAN

Radio	IEEE 802.11a/b/g/n/ac/d/h/i/k/r/v 2x2 MU-MIMO(Wi-Fi SKU), 1x1 SISO(Phone SKU)
Data rates	5 GHz: 802.11a/n/ac:do 866.7 Mbps (Up to 433 Mbps for Phone SKU) 2.4 GHz: 802.11b/g/n: to 300 Mbps (Up to 150 Mbps for Phone SKU)
Operating Channels	1 to 13 (2412~2472 MHz) 36 to 165 (5180~5825 MHz)
Channel Bandwidth	20, 40, 80 MHz
Security and Encryption	WEP (40 or 104bit) WPA/WPA2 Personal (TKIP, AES) WPA/WPA2 Enterprise (TKIP/AES) - WPA3 Personal(SAE), WPA3 Enterprise(AES) WPA3 Enterprise 192-bit mode(GCMP 256) Enhanced Open(OWE) PEAP (MSCHAPv2, GTC), TLS, TTLS (PAP, MSCHAP, MSCHAPv2, GTC), PWD, SIM, AKA, AKA', LEAP
Fast Roam	CCKM, 802.11r

*Supported on Android 11 devices only

Wireless PAN

Bluetooth	Bluetooth Class I Ver. 5.0 BLE support

DATA CAPTURE

Integrated Barcode Reader

Honeywell N6703 Slim Imager Engine (1D/2D barcode symbologies)

Camera

Rear	13 MP with LED flash
Front	5 MP

NFC (Near Field Co mmunication)

NFC-Forum (NFC-IP MODES)	Reader For NFC Forum (Tag Types 1 To 5), P2P Active (106 To 424 kbps) Initiator and Target, P2P Passive (106 To 424 kbps) Initiator and Target
Reader	ISO/IEC 14443 A, ISO/IEC 14443 B ISO/IEC 15693, Mifare Classic 1K/4K Mifare DESFire, Mifare UltraLight©, Sony FeliCa

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	1.5m (5ft) multiple drops to concrete, across operating temperature range, based on MIL-STD 810G
Rain /Dust Proof (Sealing)	IP67
Tumble	1,000 cycle (2,000hits) at 1m / 3.3ft
Electrostatic Discharge	±15 kV air discharge ±8 kV contact discharge

REGULATORY APPROVALS AND COMPLIANCE

Certified CE, CB, GCF, PTCRB, RCM, TELEC, JATE, KC, IC, FCC, CEC, CU, FAC
Environmental: RoHS III & WEEE compliant

ENTERPRISE SOLUTION

PMDM
Simple yet powerful management solution
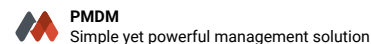
PMDM is a mobile device management solution for managing and monitoring your Point Mobile Android devices.

Centralized management of enterprise devices is vital for better productivity. You should provide a device configuration that the workers can concentrate on their work with the device, and also decrease the device downtime by predicting when to replace the battery, etc.

EmKit
Enterprise Mobility Kit

The EmKit is a set of value-added services developed by Point Mobile for system integrators. The EmKit supports the use, development of solutions and secure management of business devices.

PULS – ANDROID UPDATE & SECURITY

PULS is Point Mobile's lifetime solution, which extends the life cycle of Android-based Point Mobile enterprise devices to up to seven years after a product launch.

PULS
Patches, Updates & Lifetime Support

Stay up-to-date with the latest updates for 7 years

PULS comes free of charge for security patches & updates
Get the latest Android version and its newest features
Conveniently update your devices in the field by FOTA

For further information, please visit www.pointmobile.com or contact your regional sales representative.

WARRANTY

Subject to the Terms and Conditions, the PM67 comes with a 1 (one) year warranty from the date of purchase against defective materials and manufacturing defects

Point Special and Premium Care service is recommended.

For more information, please contact:
serwis@epicmobile.pl.

For more information, visit pm.epicmobile.eu or www.pointmobile.com