

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 9 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.

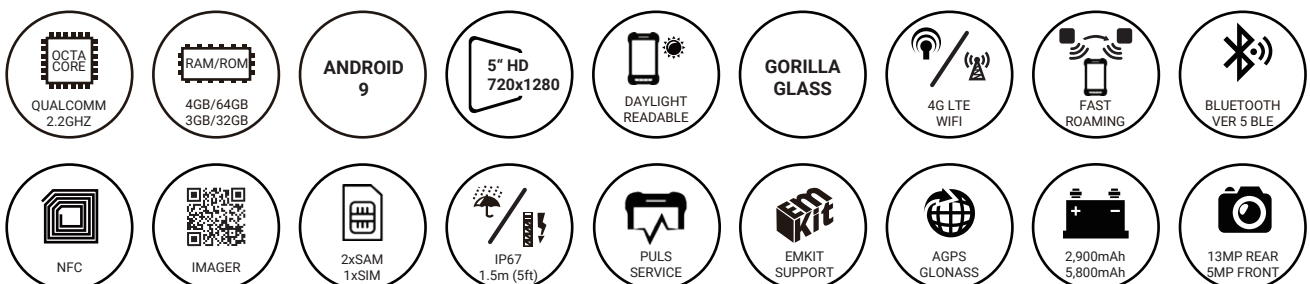


Industries

- Retail
- Field Services
- Public Sector
- Transport & Logistics
- Hospitality

Accessories

- | Standard | Optional |
|---------------------|------------------------------------|
| AC/DC Power Adaptor | Extended Battery |
| Country Plug | Single Slot Cradle (opt. Ethernet) |
| USB Type-C Cable | 4 Slot Battery Charger |
| Standard Battery | 4 Slot Cradle |
| Wrist Lanyard | Stylus Pen and Tether |
| LCD Protection Film | Gun Handle |



PERFORMANCE CHARACTERISTICS

Main-Processor	
Qualcomm Snapdragon @ 2.2GHz Octa-core	
Operating System	
Google Android (GMS certified)	Android 9.0 (upgradable to newer version) FOTA (Firmware Over The Air) update

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

Sensor	Proximity sensor, Light Ambient sensor, Accelerometer, Gyro and Digital Compass
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PHYSICAL CHARACTERISTICS

Dimensions (LxWxD)	
STD battery	156.42mm x 81.96mm x 21.50mm 6.16in x 3.23in x 0.85in
EXT battery	156.42mm x 81.96mm x 23.92mm 6.16in x 3.23in x 0.94in
MSR with STD/EXT batt.	156.42mm x 81.96mm x 27.10mm 6.16in x 3.23in x 1.07in

Weight	
STD batt.	272g / 9.59oz
EXT batt.	322g / 11.36oz
MSR with STD batt.	284g / 10.02oz
MSR with EXT batt.	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
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Power	
STD Battery	2,900mAh Li-ion rechargeable
EXT Battery	5,800mAh Li-ion rechargeable
Back-up Battery	60mAh (10C) Li-ion rechargeable (Hot-Swap)

Keypad	9 physical keys (all keys are programmable excluding the Power key)
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Voice and Audio	Two built-in microphones (noise-cancelling) Speaker, max 1W Receiver and headset jack (3.5mm) Bluetooth headset support PTT support
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Standard Communications	High speed USB 3.0 (supports battery charging PC, USB memory, digital headset)
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Notification	
LED	Power (Charging, Battery Fault) Notification (Message, Scan)
Vibration	

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
2xCA support	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	5GHz: 802.11a/n/ac: Up to 866.7 Mbps (Up to 433 Mbps for Phone SKU) 2.4GHz: 802.11b/g/n: Up to 300 Mbps (Up to 150 Mbps for Phone SKU)
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Operating Channels	1 to 13 (2412~2472MHz) 36 to 165 (5180~5825MHz)
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Channel Bandwidth	20, 40, 80 MHz
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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', LEAP
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Fast Roam	CCKM, 802.11r
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Wireless PAN	
Bluetooth	Integrated Bluetooth Class I, Ver. 5.0 BLE support

DATA CAPTURE

NFC (Near Field Communication)	
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 (PCD - VCD)	ISO/IEC 14443 A, ISO/IEC 14443 B ISO/IEC 15693, Mifare Classic 1K/4K Mifare DESFire, Mifare UltraLight®, Sony FelCa
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Camera	
Rear	13MP with LED flash
Front	5MP

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

USER ENVIRONMENT

Operating Temperature	-20°C to 60°C / -4°F to 140°F
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Storage Temperature	-25°C to 70°C / -13°F to 158°F
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Humidity	95% Non-condensing
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Drop	1.5m (5ft) multiple drops to concrete, across operating temperature range, based on MIL-STD 810G
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Water / Dust Proof (Sealing)	IP67
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Tumble	1,000 cycle (2,000hits) at 1m / 3.3ft
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Electrostatic Discharge	±15 kV air discharge ±8 kV contact discharge
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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

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 from IT admin become a secured local server for nearby Point Mobile Android device. With Direct Clone, restore network, system, scanner settings and apk file.
Scan2Set	Unique two-step feature for Point Mobile Android models that enables the fastest device deployment right out of the box

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.co.kr or contact your regional sales representative.

WARRANTY

Subject to the Terms and Conditions, PM90 carries 1 (one) year-warranty period from the date of purchase against the defective materials and manufacturing defects.

For the further inquiry, please contact: service@pointmobile.co.kr



SCOPE LINK - BARCODE TECHNOLOGIES

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