PM85

STAY ON TRACK WITH THE ALL-PURPOSE MOBILE COMPUTER

Android zero-touch enrollment enabled by Google

Android zero-touch enrollment offers a seamless deployment method for corporate-owned Android devices making large scale roll-outs fast, easy and secure. Zero-touch makes it simple to configure devices online and have them shipped with enforced management so employees can open the box and get started. Enroll and deploy a wide variety of Android devices in bulk without any manual setup.

Ready for Any Rugged Task

Qualcomm Snapdragon Octa-core processor runs at 1.8GHz for maximum computing. Memory options are available up to 4GB RAM and 64GB ROM, so there is plenty of space for programs, apps and personal data. It has an IP67 rating and is 1.8m drop proof to concrete (MIL-STD 810G), even the 5" IPS panel is equipped with shatter proof and scratch resistant capacitive Corning Gorilla glass.

Brand New Scanner Brings Enhanced Performance

The new high-resolution scanner enhances reading performance, reading down to 3 mils resolution 1D barcodes with white LED illumination, which provides better readability of coloured barcodes and better imager capture results. It also supports OCR and EasyParse optional functions for driving licenses, boarding passes, and automotive part parsing for applications beyond barcodes.

Fully Equipped for Reliability

Stay in touch with your workers with integrated LTE modem and Wifi support as well as dual speakers with 3W maximum output. PM85 supports band 28, the public protection and disaster recovery (PPDR) network frequency. The optional 4 Slot Battery Cradle provides ready-to-go devices across a variety of applications.



android enterprise recommended

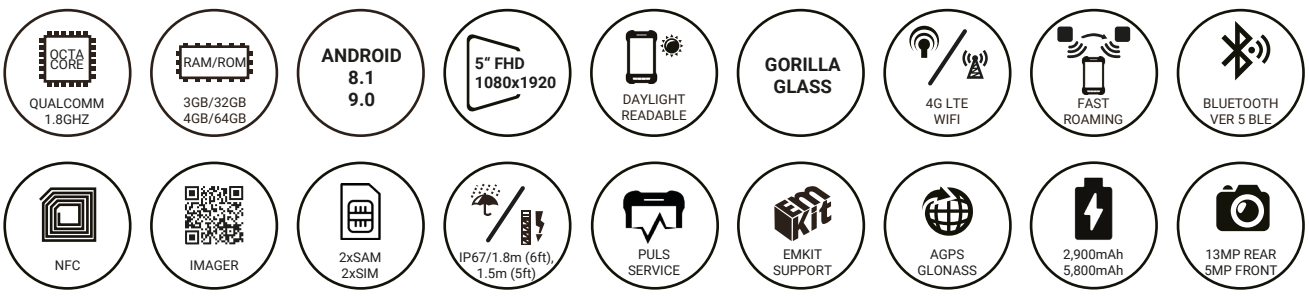
Industries

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

Accessories

Standard
- AC/DC Power Adaptor
- Country Plug
- USB Type-C Cable
- Standard Battery
- Handstrap
- LCD Protection Film

Optional
- Extended Battery
- Single Slot Cradle (opt. Ethernet)
- Dual Slot Cradle
  *Connect up to 3 Dual Slot Cradles to charge 6 devices at a time
- 4 Slot Battery Charger
- 4 Slot Cradle (opt. Wall mount)
- Gun Handle (opt. UHF RFID)
- Stylus Pen



POINT MOBILE DATA SHEET
PM85-DS16.01-EN

PM85

PERFORMANCE CHARACTERISTICS

Main-Processor

Qualcomm Snapdragon @ 1.8GHz Octa-core

Operating System

Google Android (CTS & GMS is certified)	Android 8.1 or 9.0 FOTA (Firmware Over The Air) update is available via MS Azure™ Cloud

Memory and Storage

RAM / ROM	3GB / 32GB or 4GB / 64GB (Optional)
Expansion Slot	User accessible MicroSD up to 32GB SDHC and up to 256 GB SDXC
SAM	2 Micro SAM slot
SIM	Dual-SIM card slot

Sensor	Gyroscope, Digital Compass, Accelerometer, Light Ambient Sensor, Proximity Sensor

PHYSICAL CHARACTERISTICS

Dimensions (LxWxD)

STD batt.	157.6mm x 78mm x 18.86mm 6.20in x 3.07in x 0.74in
EXT batt.	157.6mm x 78mm x 23.26mm 6.20in x 3.07in x 0.92in

Weight

STD batt.	256g / 9.03oz
EXT batt.	315g / 11.11oz

Display	5.0”, IPS panel (1080 x 1920 pixel) FHD LED backlight Daylight readable (500 nits typical) Wideviewing angle Multi-touch capacitive Corning Gorilla glass

Power

STD	2,900mAh Li-ion rechargeable
EXT	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)
Voice and Audio	Two built-in microphones (Noise-cancelling) Dual speakers on front side (output max 3W) Receiver and headset jack (3.5mm) Bluetooth headset support
Standard Communications	High speed USB 2.0 (supports battery charging PC, USB memory, digital headset)

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 A-GPS, GLONASS, Galileo, Beidou

WIRELESS

Wireless WAN

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

Wireless LAN

Radio	IEEE 802.11a/b/g/n/ac/d/h/i/k/r/v,
Data Rates	IEEE 802.11a/n/ac: Up to 433 Mbps; IEEE 802.11b/g/n: Up to 150 Mbps
Operating Channels	1 to 13 (2412~2472MHz), 36 to 165 (5180~5825MHz)
Channel Bandwidth	20, 40, 80 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', LEAP
Fast Roam	CCKM, 802.11r

Wireless PAN

Bluetooth	Integrated Bluetooth Class I, Ver. 5.0, BLE support

DATA CAPTURE

NFC (Near Field Communcation)

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 FeliCa

Camera

Rear	13MP with LED flash
Front	5MP

Integrated Barcode Reader

Honeywell N6603/3603 Slim Imager Engine (1D/2D barcode symbologies)

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	1.8m (6ft) multiple drops to concrete, at room temp, based on MIL-STD 810G 1.5m (5ft) multiple drops to concrete, across operating temperature range, based on MIL-STD 810G
Water / 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, CU, FAC, *GCF, CEC, FCC, IC, PTCRB, KC, RCM, cUL, OTA, CTIA
Environmental: RoHS III & WEEE compliant

* under development

ENTERPRISE SOLUTION

SOTI, Airwatch, Teamviewer

EmKit

Scan2Stage	PC tool for provisioning Point Mobile Android devices. With Scan2Stage, IT administrator can prepare the settings of the device and make QR code for Scan2Set.
EmKiosk	Kiosk application for Point Mobile devices. IT administrator can restrict the scope of the operator's system execution via EmKiosk to increase productivity and prevent distractions.
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.

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, PM85 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.com

Corporate Headquarters
Point Mobile Co., Ltd.
pm_sales1@pointmobile.com
+82 2 3397 7870

NA Headquarters
Point Mobile Americas LLC
info@pointmobileamericas.com
+1 425 780 4452

Europe Headquarters
Point Mobile Europe GmbH
info.pmeg@pointmobile.com
+49 6196 777 3666

China Headquarters
Point Mobile China
info@pointmobile.com.cn
+86 755 8869 1169

For more information, visit www.pointmobile.com

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