POINT Mobile

PM85

STAY ON TRACK WITH THE ALL-PURPOSE MOBILE COMPUTER

android enterprise recommended

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 for organizations, IT and employees. 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 having to do any manual setup.
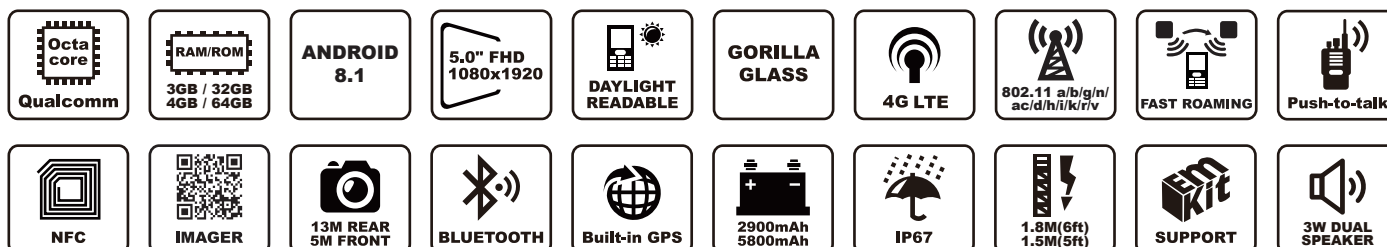
Ready for Any Rugged Task

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 a capacitive Corning Gorilla glass which is shatter proof and scratch resistant.

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. Lower power consumption helps increase the battery life for continuous workflow.

Fully Equipped for Reliability

Stay in touch with your workers and customers with integrated LTE modem and Wifi support or use the PTT function, including dual speakers with 3W maximum output. PM85 supports band 28, the public protection and disaster recovery (PPDR) network frequency. To provide full power for a long working day, we added the 4 Slot Battery Cradle as an option for ready-to-go devices across a variety of applications.

Octa core **Qualcomm**	RAM/ROM 3GB / 32GB 4GB / 64GB	**ANDROID 8.1**	5.0" FHD 1080x1920	**DAYLIGHT READABLE**	**GORILLA GLASS**	**4G LTE**	802.11 a/b/g/n/ ac/d/h/i/k/r/v

FAST ROAMING	**Push-to-talk**						

NFC	**IMAGER**	13M REAR 5M FRONT	**BLUETOOTH**	**Built-in GPS**	2900mAh 5800mAh	**IP67**	1.8M(6ft) 1.5M(5ft)

SUPPORT	3W DUAL SPEAKER

PM85

PHYSICAL CHARACTERISTICS

Dimensions
STD batt.	157.6mm L x 78mm W x 18.86mm D
EXT batt.	157.6mm L x 78mm W x 23.26mm D

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)
Wide viewing angle
Multi-touch capacitive
Corning Gorilla glass

Power
STD	2,900mAh Li-ion rechargeable
EXT	5,800mAh Li-ion rechargeable

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
PTT 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	

PERFORMANCE CHARACTERISTICS

Main-Processor
Qualcomm Snapdragon @1.8GHz Octa-core

Operating System
Google Android (CTS & GMS is certified)	Android 8.1 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

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

Barcodes.com.au

Drop
1.8m (6ft) multiple drops to concrete, at room temp, based on MIL-STD810G
1.5m (5ft) multiple drops to concrete, across operating temperature range, based on MIL-STD810G

Water / Dust Proof (Sealing)
IP67

Tumble
1,000 cycle (2,000 hits) at 1m / 3.3ft

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

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 FeliCa

Camera
Rear	13MP with LED flash
Front	5.0MP

Integrated Barcode Reader
Honeywell N6603/3601 Slim Imager Engine (1D/2D barcode symbologies)

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	B1/2/3/4/5/7/8/12/13/14/17/19/20/28
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	IEEE802.11a/b/g/n/ac/d/h/i/k/r/v,
Data Rates	IEEE802.11a/n/ac: Up to 433 Mbps; IEEE802.11a/b/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

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REGULATORY APPROVALS AND COMPLIANCE

Certified CE, CB, CU, FAC[d], GCF, CEC, FCC, IC, PTCRB, KC, RCM, cUL, OTA, CTIA
Environmental: RoHS III & WEEE compliant

d under development

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

ACCESSORIES

Standard Accessories

AC/DC Power Adapter

Country Plug

USB Type-C Cable

Standard Battery

Hand Strap

LCD Protection Film

Optional Accessories

Extended Battery

Single-Slot Cradle

Single-Slot Ethernet Cradle

4-Slot Battery Charger

Dual Slot Cradle
*Connect up to three Dual Slot Cradles to charge six devices at a time

4-Slot Cradle

Gun Handle

RFID Gun Handle

Stylus Pen

For more information, please visit us on https://www.barcodes.com.au/point-mobile-pm85-mobile-computer/
or call us on 1300 800 999