

# 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 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.



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

### Memory and Storage

RAM / ROM	3GB / 32GB or 4GB / 64GB
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
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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

1.8m (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)

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

±15 kV air discharge  
±8 kV contact discharge

## DATA CAPTURE

### NFC (Near Field Communcation)

NFC-Forum 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
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### 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 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 802.11a/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

## 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



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 <small>*Connect up to three Dual Slot Cradles to charge six devices at a time</small>
	Gun Handle
	Stylus Pen
TBD:	RFID Gun Handle



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