

# PM45

## ULTRA RUGGED SMARTPHONE IN YOUR HAND

PM45 is validated by Android Enterprise Recommended, a Google- led initiative that helps businesses confidently select, deploy, and manage the Android devices and services best suited to their enterprise needs.

For more information, visit: <https://www.android.com/AER>

### Ultra-durable smartphone with Qualcomm Snapdragon Octa-core

As one of the market leaders for rugged enterprise mobility, we build devices to meet the US Military Standard 810G rating that ensures protection against fall, drop, shock, vibration, dust, water immersion, extreme temperatures, high altitude, and a wide variety of extreme conditions. The brain of PM45, Qualcomm Snapdragon, has an Octa-core 1.8GHz processor and provides unbeatable performance for any enterprise application in the field. Its X9 LTE modem will give you up to 300Mbps downlink and 150Mbps uplink speed.

### Experience the truly-Enterprise-tuned Smartphone

Consumer smartphones may be easy to use, but their frailness and lack of security makes them unsuitable for the enterprise environment. Your business needs a smartphone that is fine-tuned for the accomplishments, job satisfaction and productivity of your workers, and that's where PM45 comes in. PM45 features fast roaming Wi-Fi, full SDK & API for enterprise-level customization, replaceable batteries and Push-to-Talk function over loudspeaker. Both USB-C and Pogo-pin connector provide multiple expansion options widely required in the enterprise environment, like a dual-slot charging cradle, multi-slot battery charger, and more.



#### Industries

- Retail
- Field Services
- Public Sector
- Hospitality

#### Accessories

##### Standard

- AC/DC Power Adapter
- Country Plug
- USB Type-C Cable
- Standard Battery
- LCD Protection Film
- SIM Tray Eject Pin

##### Optional

- Extended Battery
- Dual Slot Cradle
- \*Connect up to 3 Dual Slot Cradles to charge up to 6 devices at a time


**PERFORMANCE CHARACTERISTICS**

**Main-Processor**

Qualcomm® Snapdragon, Octa-core, 1.8GHz

**Operating System**

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

**Memory and Storage**

RAM 3GB / 4GB (Optional)  
ROM (NAND Flash) 32GB  
Micro-SD Micro-SD card slot supports up to 32GB SDHC

Sensor Gyroscope  
Accelerometer  
Light sensor  
Proximity sensor  
E-compass

**PHYSICAL CHARACTERISTICS**

**Dimensions**

With standard batt. 154.8mm L x 77.7mm W x 13mm D  
6.1 in. L x 3.05 in. W x 0.5 in D  
With extended batt. 154.8mm L x 77.7mm W x 19.4mm D  
6.1 in. L x 3.05 in. W x 0.76 in D

**Weight**

With standard batt. 190g / 6.7oz  
With extended batt. 250g / 8.3oz

**Display** 5.0", IPS panel (1080 x 1920 pixel) FHD  
Daylight readable (500 nits typical)  
Wide viewing angle

**Touch Panel** Multi-touch capacitive Corning Gorilla glass  
Smooth operation using finger or capacitive stylus pen  
Glove touch

**Power**

Standard Battery 2,900mAh Li-ion removable  
Extended Battery 5,800mAh Li-ion removable

**Keypad**

Front Recent Apps, Home & Back  
Right Volume, Up/Down, Power  
Left Push-to-Talk ready  
All hard keys (except power key and home key) are user-assignable using EmKit

**Audio Support**

Supports VoIP  
Built-in two microphone (Noise cancelling)  
Loud speaker (Push to talk ready)  
Receiver and headset jack (3.5mm)  
Wireless bluetooth headset support  
HAC (T3 & M3)

**Standard Communications** USB2.0 OTG

**GLOBAL POSITIONING SYSTEM**

**GPS**

12 channel integrated GPS: assisted via WAN carrier: accuracy within 3m, Stand-alone GPS available, support GLONASS

**WIRELESS**

**Wireless WAN**

EDGE/GPRS/GSM 850/900/1800/1900  
WCDMA B1/2/4/5/6/8/19  
LTE FDD B1/2/3/4/5/7/8/17/19/20  
X9 LTE Cat7  
Dual-SIM card slot

**Wireless LAN**

Radio 802.11 a/b/g/n/ac., 802.11d, 802.11r/k/i/h, IPv4, IPv6, 1X1 SISO

**Data Rates** IEEE 802.11b/g/n: Up to 150 Mbps  
IEEE 802.11a/n/ac: Up to 433 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** PMKID Caching, Cisco CCKM, 802.11r

**Wireless PAN**

Bluetooth Class I, Ver. 5.0 Low Energy

**DATA CAPTURE**

**Camera**

Rear 13MP Aperture f/2.0 wide-angle AF  
with LED flash  
Front 5.0MP

**NFC (Near Field Communication)**

P2P NFC (13.56MHz HF RFID)  
Supported TAG-ICs:  
MIFARE® 1k/4k/Plus, MIFARE UltraLight  
MIFARE UltraLight C, MIFARE DESFire  
MIFARE DESFire EV1, ISO 14443 A & B

**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** MIL-STD 810G for 1.2m on concrete (26 drops) at room temperature only

**Water / Dust Proof (Sealing)** IP67

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

**REGULATORY APPROVALS AND COMPLIANCE**

Certified CE, CB, KC, RCM  
Environmental: RoHS II, WEEE & REACH compliant

**ENTERPRISE SOLUTION**

SOTI, Airwatch, Teamviewer



**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](http://www.pointmobile.com) or contact your regional sales representative.

**WARRANTY**

Subject to the Terms and Conditions, PM45 carries 1 (one) year-warranty period from the date of purchase against the defective materials and manufacturing defects. Point Special and Premium Care service is recommended.

For the further inquiries, please contact: [service@pointmobile.com](mailto:service@pointmobile.com)

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