

# PM45

## ULTRA RUGGED SMARTPHONE ON YOUR HAND

### Ultra-durable Smartphone ever you met

At Point Mobile, we don't just build smartphones which can be easily broken and damaged. As we are leading the global rugged enterprise mobility market for decades, we build ultra-durable devices to meet US Military Standard 810G rating that ensures protection against fall, drop, shock, vibration, dust, water immersion, extreme temperatures, low pressure, high altitude, solar radiation, salt fog, humidity and a wide variety of extreme conditions.

### Doubles as a walkie-talkie

Its rugged design is optimized to improve the Push-to-talk experience with a large, tactile side button, an extra-loud speaker and external Push-to-talk remote speaker microphone and headset support. You can communicate with a specific worker, a specific group of workers, or all of your workers at no cost. Whether on a smartphone, a radio, a computer or any other communications device, your personnel can connect instantly via Push-to-talk.

### Face the premium with Qualcomm Snapdragon Octa-core 1.8GHz

Qualcomm Snapdragon, the brain of PM45, has Octa-core 1.8GHz processor will provide unbeatable performance any kinds of enterprise applications in the field. Its X9 LTE modem will give you up to 300Mbps downlink and 150Mbps uplink speed. PM45 has 3GB RAM and 32GB Flash.

### Experience the truly-Enterprise-tuned Smartphone ever in the market

A consumer smartphone may be easy to use but its frailness and lack of security makes it 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. You can find a variety of rugged Android smartphones in the market, however, PM45 is the truly-Enterprise-tuned smartphone. Whatever you expect, YOU WILL SEE MORE. PM45 features fast roaming Wi-Fi, full SDK & API for enterprise-level customization, user-friendly replaceable battery, Push-to-Talk function with loud speaker and more. Both USB-C and Pogo-pin connector provide multiple expansion like a charging cradle, multi-slot battery charger or vehicle-mounted cradle, which are widely required in the enterprise working environment.

### Frequently using 3 "HARD" keys towards field-work-forces

Most of Smartphone in the market adopts capacitive-based touch button even for the most frequently used Recent App, Home, Back button. Not every user prefer to use Stylus pen in the field, PM45 features with 3 hard keys: Recent Apps. Home, Back button including a user-assignable key for quick access to essential applications in the field.



 Qualcomm Octa core	 RAM/ROM 3GB / 32GB 4GB / 32GB	 ANDROID 7.1	 5.0" FHD 1080x1920	 DAYLIGHT READABLE	 GORILLA GLASS	 4G LTE	 WiFi a/b/g/n/ac	 FAST ROAMING
 Push-to-talk	 NFC	 13M REAR 5M FRONT	 BLUETOOTH	 Built-in GPS	 2900mAh 5800mAh	 IP67	 1.2M(4ft)	 SUPPORT

# PM45

## 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

Capacitive with 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) is 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

## PERFORMANCE CHARACTERISTICS

### Main-Processor

Qualcomm® Snapdragon, Octa-core, 1.8GHz

### Operating System

Google Android 7.1 Nougat  
(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

## 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

## 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

## 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.4.2 Low Energy

## REGULATORY APPROVALS AND COMPLIANCE

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

## ENTERPRISE SOLUTION

Airwatch, MobiControl, Teamviewer



Direct Clone

Create the Master PDA - backup your system settings and apps into a secured file. Without any network connection, Master PDA become a local server in your work place. Nearby Point Mobile device will automatically communicate with Master PDA and download the backup file and then Restore.

LogTrace

Network log taking tool.

Scan2Set

Restore direct clone file from the network environment such as Web server, FTP and Google Drive. Just simply read the QRcode.

System Information

SW and HW information of your PM45.

Take Bug Report

System logs and events taking tool.

## 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 inquiry, please contact: service@pointmobile.co.kr

## ACCESSORIES

### Standard Accessories



AC/DC Power Adaptor



Country Plug



USB Type-C Cable



Standard Battery



Extended Battery



LCD Protection Film



SIM Tray Eject Pin

### Optional Accessories



AC/DC Power Adaptor & Cable for 2SC



Dual Slot Cradle