

PM45

ULTRA RUGGED SMARTPHONE ON YOUR HAND

Ultra-durable Smartphone ever you met

At Point Mobile, we don't just build smartphone 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 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 450

Qualcomm Snapdragon 450, 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 2GB RAM and 16GB Flash ROM as basic, you also choose premium memory package 4GB RAM and 32GB Flash as optional.

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

You can find a variety of rugged Android smartphone in the market, however, PM45 is truly-Enterprise-turned smartphone. Whatever you expected, YOU WILL SEE MORE. PM45 features the fast roaming Wi-Fi, full SDK & API for enterprise-level customization, user-friendly battery replaceable, 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 enterprise user 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	 2GB / 4GB 16GB / 32GB	 ANDROID 7.1	 5.0" HD 720x1280	 DAYLIGHT READABLE	 GORILLA GLASS	 4G LTE	 WiFi a/b/g/n/ac
 Push-to-talk	 NFC	 13M REAR 5M FRONT	 BLUETOOTH	 Built-in GPS	 2900mAh 5800mAh	 IP67	 1.2M(4ft)

Technical Specifications

Physical characteristics

Dimensions:

- 1) 154.8x77.7x13mm / 6.1x3.05x0.5 in (STD battery)
- 2) 154.8x77.7x19.4mm / 6.1x3.05x0.76 in (EXT battery)

Weight:

- 1) about 190g / 6.7oz including (STD battery)
- 2) about 235g / 8.3oz including (EXT battery)

Environmental

Operating: -20°C to 60°C (-4°F to 140°F)

Storage: -25°C to 70°C (-13°F to 158°F)

Relative Humidity: Non-condensing, 95%

Rain & Dust Proof: IP67

Drop: 1.2m (4ft) multiple drops per MIL-STD-810G

ESD: 15 kV air, 8 kV contact

Power

Standard Battery: 2,900mAh Li-ion user-replaceable

Extended Battery: 5,800mAh Li-ion user-replaceable

Operating System

Google Android 7.1 (CTS & GMS is certified)

FOTA (Firmware Over The Air) update is

available via MS Azure Cloud

Processor

Qualcomm Snapdragon SDM 450,

Octa-core, 1.8GHz processor

Memory and Storage

RAM: 2GB / 4GB Option

ROM: 16GB / 32GB Option

NAND Flash User-accessible

micro-SD cards

Display

5.0 in, IPS panel, 720 x 1280 pixel (HD)

Corning Gorilla Glass, Day-light readable

Standard Communications

USB2.0 OTG

Camera

13.0MP rear, f/2.0 aperture wide angle lens with LED flash

5.0MP front

Keypad Options

Front: Recent Apps, Home & Back

Right: Vol. Up/Down, Power

Left: Push-to-Talk ready

All hard keys (except Power key)

can be user-assignable by EmKit

Sensors

Gyroscope, Accelerometer, Light Sensor &
Proximity Sensor, E-Compass, HAC (T3 & M3)

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 Cat6

Dual-SIM card slot

Wireless LAN

802.11 a/b/g/n/ac, 802.11d, 802.11r/k/i/h

Data rates: up to 433 Mbps

Operating channels: 1 to 13 (2.4GHz & 5GHz),
36 to 165 (5GHz), CCX v4

Regulatory compliance: As per IEEE 802.11n

Security: WPA/WPA2 (PSK & Enterprise 802.1x); EAP-

TTLS; PEAPv0-MSCHAPv2; EAP-TLS

Authentication: PEAP/MS-CHAPv2, EAP-TLS

Wireless PAN

Bluetooth v.4.2 Low Energy, Class I

Global Positioning System

12 channel integrated GPS: assisted via WAN carrier:

accuracy within 3m, Stand-alone GPS available

support GLONASS

NFC (Near Field Communcation)

P2P NFC with 1 SAM slot (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

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

Accessories

Standard accessories: AC/DC power adaptor &

country plug, USB type-C cable, Standard Battery

Regulatory Approvals and Compliance

Certified CE & GCF, FCC & PTCRB, IC, KC, CB

Environmental: RoHS II & WEEE compliant

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