

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 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

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.



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|---------------------------|---|--------------------------|-------------------------|--------------------------|------------------------|------------|----------------------|------------------|
| Qualcomm Octa core | RAM/ROM 2GB / 4GB 16GB / 32GB | ANDROID 7.1 | 5.0" HD 720x1280 | DAYLIGHT READABLE | GORILLA GLASS | 4G LTE | Wi-Fi 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 (720 x 1280 pixel) HD
Daylight readable
Wide viewing angle

Touch Panel

Capacitive with Corning® Gorilla® glass
Smooth operation using finger or
capacitive stylus
Glove touch

Power

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

Keypad

Front Recent Apps, Home & Back
Right Volume, Up/Down, Power
Left Push-to-Talk ready
All hard keys (except power 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 SDM 450, 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 2GB / 4GB
ROM (NAND Flash) 16GB / 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

Rain / Dust Proof (Sealing)

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

DATA CAPTURE

Camera

Rear 13.0MP f/2.0 AF (Auto Focus) with LED flash
Front 5.0MP

NFC (Near Field Communication)

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

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 IEEE 802.11a/b/g/n/d/h/i/k/r/v, IPv4,
IPv6, 1X1 SISO

Data Rates

IEEE 802.11a/n: Up to 150 Mbps
IEEE 802.11b/g/n: Up to 72.2 Mbps
IEEE 802.11ac: 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', FAST(MSCHAPv2,
GTC), 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, FCC & PTCRB, IC, KC, CB
Environmental: RoHS II, WEEE & REACH compliant

ENTERPRISE SOLUTION

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 becomes a local server for
a nearby Point Mobile device to
automatically communicate and
download/restore backup files

Scan2Set

Unique two-step feature for Point
Mobile Android models that enables the
fastest device deployment right out of
the box

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



Optional Accessories



Extended Battery

Dual Slot Cradle



4-Slot Battery Charger