POINT Mobile

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 150Mpbs uplink speed.

Experience the truly-Enterprise-tuned Smartphone

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. PM45 features fast roaming Wi-Fi, full SDK & API for enterprise-level customization, replaceable battery 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.

android enterprise recommended

Industries
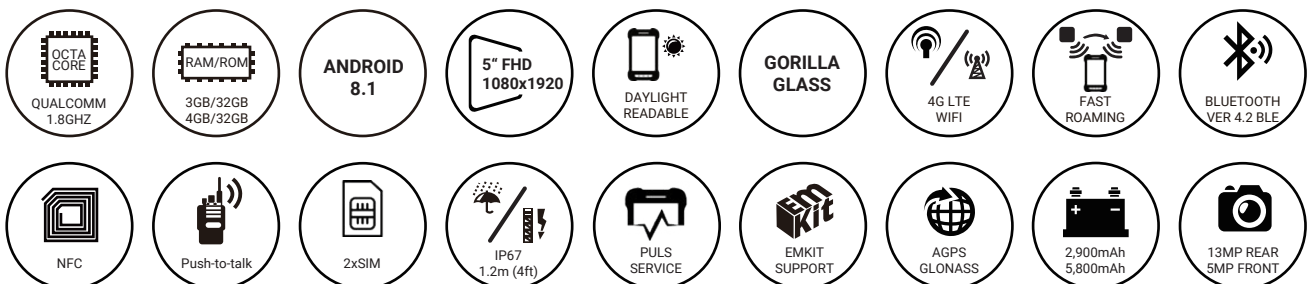
- Retail
- Field Services
- Public Sector
- Hospitality

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

OCTA CORE QUALCOMM 1.8GHZ	RAM/ROM 3GB/32GB 4GB/32GB	ANDROID 8.1	5" FHD 1080x1920	DAYLIGHT READABLE	GORILLA GLASS	4G LTE WIFI	FAST ROAMING	BLUETOOTH VER 4.2 BLE
NFC	Push-to-talk	2xSIM	IP67 1.2m (4ft)	PULS SERVICE	EMKIT SUPPORT	AGPS GLONASS	2,900mAh 5,800mAh	13MP REAR 5MP FRONT

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PERFORMANCE CHARACTERISTICS

Main-Processor
Qualcomm® Snapdragon, Octa-core, 1.8GHz

Operating System
Google Android (CTS & GMS certified)	8.1 Oreo
	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
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.4.2 Low Energy

DATA CAPTURE

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

NFC (Near Field Communcation)
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

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

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