POINT Mobile

PM451

BRING SUPERIOR 4G CONNECTIVITY TO YOUR WORKPLACE

Making outdoor tasks easier with LTE connection

The LTE option lets your employees continue to do their tasks without worrying about losing the network connection. Now being able to make data input/output with seamless connectivity on PM451, your workers can handle all warehouse logistics problems with ease - no matter where they are. Expect a fast and consistent WiFi connection anytime as well through 2x2 MU-MIMO technology.

Revolutionize the way you capture data

PM451 is designed to run Android, the operating system of choice when it comes to rugged handheld terminals used in the warehouse. Accompanied by Point Mobile's unique Enterprise Mobility Kit (EmKit™), this device provides a fast and seamless user experience, minimizing the time and resources for training your workforce.

Configure the PM451 just as you need it

The standard range 1D/2D imager reads all GS1 symbologies as well as poorly printed barcodes. You can opt for the extra long range imager version with a maximum reading distance of 29 meters (when decoding 100 MILS C39 RFL symbology). Two LED indicators on each side will instantly give you information about scanning. In addition, as an effort to meet various needs of our customers, PM451 will come with three types of keypad options which are Numeric, Function Numeric and Alpha numeric. The ergonomically designed optional gun grip will further increase the productivity of your workforce.

Outstanding durability for rough warehouse tasks

As a heavy-duty mobile terminal, PM451 is tuned with an IP65 & IP67 rating and a drop resistance of 2m (MIL-STD 810G). Combined with the ability to survive dramatic temperature changes and many more extreme conditions, PM451 is a device you can always rely on during the hardwork. The cold storage option, optimized for freezing environments, is also available.

Android Enterprise Recommended

Industries

Transport & Logistics
Manufacturing
Warehouse Management

Accessories

Standard
AC/DC Power Adaptor
Country Plug
USB-C Cable
Standard Battery (5,700 mAh)
Stylus
LCD Protection Film

Optional
Single Slot Cradle (opt. Ethernet)
Optional Battery (4,000 mAh)
4 Charging Cradle
4 Slot Battery Charger
Gun Handle
Snap-on

OCTA CORE 2.2 GHz | ANDROID 9 / 11 / 13 | RAM / FLASH 4 GB/64 GB 8 GB/128 GB | 1 micro SIM | 4.3" WVGA 480 x 800 | COLD STORAGE OPTION | 4,000 mAh 5,700 mAh | THREE KEYPAD OPTIONS | 4G LTE WIFI

FAST ROAMING | BLUETOOTH CLASS I VER. 5.0 | 2x2 MU-MIMO | 1D/2D/LONG RANGE | 13 MP TOP W/ FLASH | NFC | 2.0 m (6.6 ft.) 1.8 m (6 ft.) | IP65 & IP67 | PULS SERVICE

PM451

PERFORMANCE CHARACTERISTICS

Main processor

Qualcomm® SDA660, octa-core, @ 2.2 GHz

Operating system

Google Android (GMS certified)	Android 9 / 11 / 13 (upgradeable to 14) FOTA (Firmware Over The Air) update

Memory and storage

RAM	4 GB or 8 GB
NAND Flash	64 GB or 128 GB
SIM	1 micro SIM

Sensor

Proximity sensor, Light ambient sensor, Accelerometer

PHYSICAL CHARACTERISTICS

Dimensions

With standard batt.	215.0 x 77.3 x 39.3 mm / 8.5 x 3.0 x 1.6 in.
Gun handle	61.6 mm / 2.4 in.

Weight

450 g / 15.9 oz.

Display

4.3", IPS panel (480 x 800 pixel), WVGA
LED backlight
Daylight readable (min 500 nits)
Wideviewing angle
Multi-touch capacitive
Corning Gorilla glass

Power

Standard battery	5,700 mAh, Li-ion rechargeable
Optional battery	4,000 mAh, Li-ion rechargeable
Back-up battery	60 mAh, 3.7 V (10C), Hot-Swap

Keypad

Three options (backlit)	Numeric, Function Numeric, Alpha numeric

Voice & Audio

Built-in microphone and speaker

Standard communications

USB 2.0 Type-C/OTG (supports battery charging PC, USB memory)

Notification

LED	Power (charging, battery fault) Notification (message, scan)
Vibration	

GLOBAL NAVIGATION SATELLITE SYSTEM

WLAN SKU	No GNSS
WWAN SKU	Qualcomm GNSS (GNSS receiver support for GPS (A-GPS), GLONASS, Galileo, and Beidou)

WIRELESS

Wireless WAN

EDGE/GPRS/GSM	900/1800/850/1900
WCDMA	B1/2/4/5/6/8/19
LTE FDD	B1/2/3/4/5/7/8/12/13/ 19/20/25/26/28
LTE TDD	B38/40/41

Wireless LAN

Radio	IEEE 802.11a/b/g/n/ac/d/h/i/k/r/v, IPv4, IPv6, 2x2 MU-MIMO
Data rates	5 GHz: 802.11 a/n/ac: Up to 866.7 Mbps 2.4 GHz: 802.11 b/g/n: Up to 300 Mbps
Operating channels	1 to 13 (2412~2472 MHz) 36 to 165 (5180~5825 MHz)
Channel bandwidth	20, 40, 80 MHz
Security and encryption	WEP (40 or 104bit) WPA/WPA2 Personal (TKIP, AES) WPA/WPA2 Enterprise (TKIP/AES) WPA3 Personal (SAE)* WPA3 Enterprise (AES)* WPA3 Enterprise 192-bit mode (GCMP 256)* Enhanced Open (OWE)* PEAP (MSCHAPv2, GTC), TLS, TTLS (PAP, MSCHAP, MSCHAPv2, GTC) PWD, SIM, AKA, AKA', LEAP CCX v4 supported WiFi Direct and Hot spot support
Fast Roam	802.11r

*Not available on Android 9 OS

Wireless PAN

Bluetooth	Integrated Bluetooth Class I, Ver. 5.0 BLE support

DATA CAPTURE

Integrated scan engines

1D engine	SE965
1D/2D engine	N6703
Extra-long range	EX30

Camera

Top	13 MP with LED flash

NFC (Near Field Communication)

NFC-Forum (NFC-IP Modes)	Reader for NFC Forum (Tag Types 1 to 5)
Reader (PCD – VCD)	ISO/IEC 14443 A, ISO/IEC 14443 B, ISO/IEC 15693, Mifare Classic 1K/4K, Mifare DESFire, Mifare UltraLight©, Sony FeliCa

USER ENVIRONMENT

Operating temperature	-20 °C to 60 °C -4 °F to 140 °F
Operating temperature (Cold storage option)	-30 °C to 60 °C -13 °F to 140 °F
Storage temperature	-40 °C to 70 °C -40 °F to 158 °F
Humidity	95% non-condensing

Drop	Multiple drops from 1.8m (6ft) to concrete over the entire operating temperature range
	Multiple drops from 2m (6.5ft) per MIL-STD 810G at room temperature
	Multiple falls per MIL-STD 810H: 2019
Tumble	1,000 cycles (2,000 hits), at 1.0 m (3.3 ft.)
Rain/dust proof (Sealing)	IP65 and IP67
Electrostatic discharge	± 15 kV air discharge ± 8 kV contact discharge

REGULATORY APPROVALS AND COMPLIANCE

Certified CE, CB, RCM, KC, IC, FCC, IFITEL, NOM, NBTC, CU, FAC, NRCan, DOE, CEC

Environmental: RoHS III & WEEE compliant

ENTERPRISE SOLUTION

PMDM
Simple yet powerful management solution

PMDM is a mobile device management solution for managing and monitoring your Point Mobile Android devices.

Centralized management of enterprise devices is vital for better productivity. You should provide a device configuration that the workers can concentrate on their work with the device, and also decrease the device downtime by predicting when to replace the battery, etc.

EmKit
Enterprise Mobility Kit

The EmKit™ is Point Mobile's value-added service kit engineered for the pure benefit of system integrators. EmKit supports the utilization, solution development, and secure management of your business devices.

PULS – ANDROID UPDATE & SECURITY

PULS is a 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 security updates for up to 7 year
Conveniently update your devices in the field by FOTA
Update Android Versions** and use new features via PULS

For further information, please visit www.pointmobile.com or contact your regional sales representative.

WARRANTY

Subject to the Terms and Conditions, PM451 carries 1 (one) year-warranty period from the date of purchase against the defective materials and manufacturing defects.

For the further inquiry, please leave your message here: https://www.pointmobile.com/en/contactus.

* The Android version may vary based on the mobile processor product roadmap. The upgradeable version is subject to change on the manufacturer's policy and condition.

** Android version updates may come with restrictions and could incur charges.