

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. Finally, 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 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.



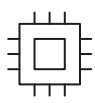
Industries

Transport & Logistics
Production
Warehouse Management

Accessories

Standard
AC/DC Power Adaptor
Country Plug
LCD Protection Film
USB-C cable
Battery STD 5700 mAh
Stylus

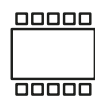
Optional
Gun Handle
Battery OPT 4000 mAh
Single Slot Cradle (optional Ethernet)
4 Slot Charging Cradle
4 Slot Battery Charger
Strap to pistol grip
Rubber case PM451-ERC



Octa core
2.2 GHz



11



4GB/64GB



Optional
Cold storage



4.3"
WVGA



Gorilla
Glass



STD 5700 mAh
OPT 4000 mAh



Enterprise Hot
Swap



GPS
GLONAS



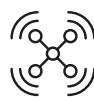
LTE, WiFi,



Fast WiFi
roaming



Bluetooth



2x
MU-MIMO



2D imager
SR/LR



13 Mpix flash
next to scanner



NFC



IP65



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PM451

PERFORMANCE CHARACTERISTICS

Main processor Qualcomm® SDA660 2.2 GHz Octa Core

Operating System

Google Android Android 11
(upgradable to Android 14)
(CTS i GMS) Upgradable FOTA
(Firmware Over The Air)

Memory and Storage

RAM/ROM 4 GB / 64 GB
SIM 1 slot SIM micro

Sensors Proximity sensor, Light Ambient sensor,
Accelerometer

PHYSICAL CHARACTERISTICS

Dimensions

With STD battery 214.94mm L x 77.26mm W x 39.25mm D
8.46 in. L x 3.04 in. W x 1.55 in D

Grip 61.6 mm / 2.43 in

Weight 450 g / 15.87oz

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

Battery STD 5,700mAh Li-ion rechargeable
Battery OPT 4,000mAh Li-ion rechargeable
Battery Back-up 3.7 V, 60 mAh (10C), Enterprise Hot-Swap

Keypad 3 Keypad options
(backlit keys) Numeric, Function Numeric, Alpha numeric
keypad (optional)

Audio Built-in microphone and speaker
Bluetooth, Support PTT (Push-2-Talk)

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

Notification Power (Charging, Battery Fault)
Notification (Message, Scan)

Vibration

GLOBAL POSITIONING SYSTEM

GPS
WiFi SKU : No GPS
Phone SKU : Qualcomm GPS
GNSS Receiver Support for GPS, GLONASS, Galileo and Beidou

WIRELESS

Wireless WAN

EDGE/GPRS/GSM 900/1800/850/1900
WCDMA B1/2/5/6/8/19
LTE FDD B1/2/3/4/5/7/8/12/13/ 19/20/25/26/28
LTE TDD B38/B40/41

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: 802.11a/n/ac: to 866.7 Mbps
2.4 GHz: 802.11b/g/n: 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 CCKM, 802.11r

*Supported on Android 11 devices only

Wireless PAN

Bluetooth Bluetooth Class I Ver. 5.0
BLE support

DATA CAPTURE

Integrated Barcode Reader

1D barcode scanner SE965

1D/2D barcode scanner N6703

Long range EX30

Camera

Top 13 MP with LED flash (optional)
next to scanner

NFC (Near Field Communication)

(Phone SKU only)

NFC-Forum Reader for NFC Forum (Tag Types 1 to 5),
(NFC-IP Modes) P2P Active (106 to 424 kbps) Initiator
and Target P2P Passive (106 to 424 kbps)
Initiator and Target

Reader ISO/IEC 14443 A, ISO/IEC 14443 B, ISO/IEC
(PCD - VCD) 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

Storage Temperature -25 °C to 60 °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

Rain /Dust Proof (Sealing) IP65


Drop 1,000 cycle (2,000 hits) at 1m / 3.3ft

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 a set of value-added services developed by Point
Mobile for system integrators. The EmKit supports the use,
development of solutions and secure management of business
devices.

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.com or contact your regional sales
representative.

WARRANTY

Subject to the Terms and Conditions, the PM67 comes with
a 1 (one) year warranty from the date of purchase against
defective materials and manufacturing defects

Point Special and Premium Care service is recommended.

For more information, please contact:
serwis@epicmobile.pl

For more information, visit pm.epicmobile.eu or www.pointmobile.com