

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
Manufacturing & WMS

Accessories

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

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



PERFORMANCE CHARACTERISTICS

Main-Processor

Qualcomm® SDA660 2.2GHz Octa Core

Operating System

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

Memory and Storage

RAM 4GB
ROM (NAND Flash) 64GB
SIM 1 Micro SIM slot

Sensor

Proximity sensor, Light Ambient sensor,
Accelerometer

PHYSICAL CHARACTERISTICS

Dimensions

With standard batt. 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 61.6mm
2.43 in

Weight

450g / 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

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

Keypad

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

Voice and 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 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 B1/2/4/5/6/8/19
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 5GHz: 802.11a/n/ac: Up to 866.7 Mbps
2.4GHz: 802.11b/g/n: Up to 300 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)
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 Integrated Bluetooth Class I, Ver. 5.0
BLE support

DATA CAPTURE

Integrated Barcode Reader

1D barcode scanner SE965

2D barcode scanner N6703

Long range EX30

Camera

Top 13MP with LED flash

NFC (Near Field Communication)

NFC-Forum (NFC-IP MODES) Reader For NFC Forum (Tag Types 1 To 5),
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
(PCD - VCD) 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

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

Rain / Dust Proof (Sealing) IP65

Tumble 1,000 cycle (2,000hits) 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

SOTI, Airwatch, Teamviewer



Scan2Stage PC tool for provisioning Point Mobile
Android devices. With Scan2Stage, IT
administrator can prepare the settings of
the device and make QR code for
Scan2Set.

EmKiosk Kiosk application for Point Mobile
devices. IT administrator can restrict the
scope of the operator's system
execution via EmKiosk to increase
productivity and prevent distractions.

Direct Clone Solution for restoring the devices to the
same settings with no internet
connection. With Direct Clone, a Master
PDA becomes a hotspot server and
sends its backup file to nearby client
devices to clone the settings.

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.



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

For the further inquiry, please contact:
service@pointmobile.com

Corporate Headquarters
Point Mobile Co., Ltd.
pm_sales1@pointmobile.com
+82 2 3397 7870

NA Headquarters
Point Mobile Americas LLC
info@pointmobileamericas.com
+1 425 780 4452

Europe Headquarters
Point Mobile Europe GmbH
info.pmeg@pointmobile.com
+49 211 1588 5913

China Headquarters
Point Mobile China
info@pointmobile.com.cn
+86 755 8869 1169

For more information, visit www.pointmobile.com