PM75

RUGGED MOBILE COMPUTER STREAMLINED FOR ENTERPRISE MOBILITY

An enterprise device built with and for efficiency

Fast, powerful, and rugged: PM75 is cut out for these three ideals, while maintaining a light and ergonomic body. The Android device provides a powerful scan engine, comfortable grip, long-lasting battery, and seven-long years of update support—all of which are the essential components for building a great and versatile rugged mobile computer.



Fine-tuned hardware for the best operating system

Qualcomm's 2.0GHz processor runs the device smoothly with the help of 3GB RAM / 32GB ROM (opt. 4GB / 64GB). PM75 comes with two scan engine options (N3601 or N6603) to match your business needs. The Android 11 operating system offers efficient battery management, easy navigation, and the best data security among any existing mobile operating system. Both the hard parts and software are carefully tuned for each other, enabling PM75 to run the latest powerful solutions effortlessly. EmKit™, Point Mobile's unique set of tools for businesses, is pre-installed for easy bulk deployment, management, and increasing productivity.

Designed for tough handling and low maintenance

The bright 5.45in HD+ (720 x 1440 pixels) display helps users to see and control PM75's interface without difficulty even under the sunlight. The device withstands multiple drops to concrete from 1.5m (5ft) height and has an IP65 water/dust resistance rating, in addition to the protection from scratches by adopting Gorilla Glass: ready to operate in one of the harshest working environments.

android enterprise recommended

Industries

- Field Services
- Transport & Logistics
- Warehouse Management
- Retail
- Hospitality

Accessories

Standard

AC/DC Power Adaptor
Country Plug
LCD Protection Film
USB-C cable
Standard Battery (2,900mAh)
Hand Strap

Optional

Single Slot Cradle for Pistol Grip or RFID reader
Dual Slot Cradle
*Connect up to 3 Dual Slot Cradles to charge up to 6 devices at a time
4 Slot Battery Charger
Pistol Grip
UHF RFID Reader RF750
Extended Battery (5,800mAh)



POINT MOBILE DATA SHEET
PM75-DS11-EN

PM75

PERFORMANCE CHARACTERISTICS

Main-Processor

Qualcomm® Octa-core @2.0GHz / 1.8GHz (optional)

Operating System

Google Android (CTS & GMS certified)	Android 11 (upgradable) FOTA (Firmware Over The Air) update

Memory and Storage

RAM	3GB / 4GB (optional)
ROM (NAND Flash)	32GB / 64GB (optional)
Micro-SD	Supports up to 512GB using ExFAT file system
SIM	1 Nano SIM card slot

Sensor	Proximity and Light Ambient sensor Acceleration sensor and Gyro Digital compass

PHYSICAL CHARACTERISTICS

Dimensions

With STD battery	78.0 x 164.8 x 15.2 mm 3.0 x 6.5 x 0.6 in.
With EXT battery	78.0 x 164.8 x 20.8 mm 3.0 x 6.5 x 0.8 in.

Weight

With STD battery	246g / 8.7oz
With EXT battery	299g / 10.5oz

Display	5.45", IPS panel (720 x 1440 pixel) HD+ LED backlight Daylight readable (500 nits typical) Wideviewing angle Multi-touch capacitive Corning Gorilla glass

Power

STD battery	3.85V, 2,900mAh Li-ion rechargeable
EXT battery	3.85V, 5,800mAh Li-ion rechargeable

Buttons

Right	Scan, Power (recessed)
Left	Large PTT, Volume (up/down)

Voice and Audio	Two built-in microphones Speaker
Standard Communications	USB 2.0 Type C OTG Pogo pin 8 and rear cover pogo pin 6

Notification

Vibration	Yes
LED	Power Notification (R/G), Warning Notification (R/B)

GLOBAL POSITIONING SYSTEM

GPS

Qualcomm GPS, GNSS receiver support for A-GPS, GLONASS, and Beidou (Phone SKU)

WIRELESS

Wireless WAN

EDGE/GPRS/GSM	900/1800/850/1900
WCDMA	B1/2/4/5/6/8/19
LTE FDD	B1/2/3/4/5/7/8/12/13/17/19/20/25/26 /28/66
LTE TDD	B38/39/40/41

Wireless LAN

Radio	IEEE 802.11 a/b/g/n/ac/ax (ready)/d/h/i/k /r/v, 1x1 MU-MIMO
Data Rates	5GHz: 802.11a/n/ac: Up to 433 Mbps 2.4GHz: 802.11b/g/n: Up to 150Mbps
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
Fast Roam	802.11r

Wireless PAN

Bluetooth	Integrated Bluetooth Class I, Ver. 5.1 BLE support

DATA CAPTURE

Integrated Barcode Reader

N3601 or N6603 1D/2D barcode scan engine

Camera

Rear	8MP with LED flash

NFC (Near Field Communcation)

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 (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
Storage Temperature	-25°C to 70°C / -13°F to 158°F
Humidity	95% Non-condensing
Drop	MIL-STD-810G for multiple 1.5m (5ft) drops on concrete over the operating temperature
Rain / Dust Proof (Sealing)	IP65
Tumble	300 cycles at 1m / 3.3ft
Electrostatic Discharge	±15 kV air discharge ±8 kV contact discharge

REGULATORY APPROVALS AND COMPLIANCE

Certified RCM, CE, CB, WPC, BIS, KC, IC, FCC, NRCan, IFITEL, NOM, NBTC, CU, FAC
Environmental: RoHS III & WEEE compliant

ENTERPRISE SOLUTION

SOTI, Airwatch, Teamviewer

EmKit

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.

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, PM75 carries 1 (one) year-warranty period from the date of purchase against the defective materials and manufacturing defects.

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