POINT Mobile

PM66

MULTI-PURPOSE ENTERPRISE RUGGED MOBILE COMPUTER

Powerful Qualcomm Snapdragon will empower your work

Qualcomm's Snapdragon MSM8916 processor is a market-proven AP(Application Processor) which has Quad-Core with up to 1.2GHz clock speed. It is truly SoC(System on a Chip) having 4G LTE, Wireless LAN, Bluetooth, S-GPS and Camera bus interface.

Google Android 6.0.1 Marshmallow is the heart of system

PM66 runs on Google's latest Android 6.0.1 Marshmallow Operating System and it is certified by Google Mobile Services (GMS) to support all Google official API including Google Play and Google Maps.

Wider & Brighter IPS display provides better visibility

PM66 adopts 4.3" IPS panel TFT-LCD with capacitive touch screen and it supports wide-viewing angle and daylight readability in order to maximize the best performance in the out-field. To support harsh environment, top of screen is protected Corning Gorilla Glass 3 tempered glass.

Physical Numeric keys with keypad back-light towards field-work-forces

More and more field-workers requires smartphone-like features in the field, but still fast & accurate input is very critical in terms of productivity, users prefer physical keys instead of touch-based virtual keypad on the screen. Along with keypad at the bottom of 4.3inch screen, PM66 is still light, slim, relatively small form factor against conventional 'brick-style' mobile computers. Each key is wide and big enough for users to input data firmly, fast and accurately. LED back-lit keypad powers ease to work at night and dimmed-light area anywhere.

Powerful Wireless; 4G LTE & IEEE 802.11 a/b/g/n/d/h/i/r and Bluetooth 4.1 LE

As of Enterprise mobility purposes, PM66 is completely tuned for Enterprise work-forces; smooth hand-over between WWAN and WLAN each other, seamless roaming among many routers & access points in the harsh working environment, because Enterprise users prior seamless connectivity to speed. PM66's 4G LTE category 4 is truly designed for covering all worldwide including United States and Europe. Newest Bluetooth Low Energy supports dramatic low power consumption and 3x faster speed than previous Bluetooth version, which specification is getting more critical at location-based solutions like Beacon.

Fully-rugged and versatile for outfield & warehouse/logistic applications

PM66 is slim and light design but still fully-rugged design with IP67 water/dust proof and 1.5meter multi-drop resistant on concrete. PM66 has various configurations, such as full 4G/LTE version for outfield and, at the same time, Wi-Fi-only version for warehouse/logistic applications. For Wi-Fi-only models can be docked with a gun-shaped scan-trigger handle, therefore, it is optimized for scan-intensive applications in warehouses.

Quad 1.2GHz Qualcomm	RAM/ROM 2GB / 16GB	ANDROID 6.0.1	WVGA 800X480	DAYLIGHT READABLE	GORILLA GLASS	4G LTE	802.11 a/b/g/n	FAST ROAMING

NFC	LASER	IMAGER	13MP REAR	Built-in GPS	4100mAh	IP67	1.5M(5ft)	SUPPORT

PM66

PHYSICAL CHARACTERISTICS

Dimensions
With standard batt. 166.01mm L x 76.83mm W x 29.27mm D
6.53 in. L x 3.02 in. W x 1.15 in D

Weight
With standard batt. 300g / 10.58oz

Display
4.3", IPS panel (480 x 800 pixel) WVGA
Exceptionally bright
Daylight readable (500 nits typical)

Touch Panel
Multi-touch capacitive
Optically bonded with Corning Gorilla glass® for strong and rugged durability
Wet touch
Glove touch

Power
3.85V, 4,100mAh Li-ion rechargeable
UN38.3 certificate, UL2054/UL1642, IEC62133 KC/PSE
Supports micro USB charging

Keypad
Numeric keypad (24 Keys) with backlight

Audio Support
Support VoIP
Two built-in microphones (Noise-cancelling)
Speaker
Receiver and headset jack (3.5mm)
Wireless Bluetooth headset support

Standard Communications
High speed USB 2.0 from cradle and Micro-USB port

Notification
Front — 2 x dual color LEDs for Power indication, Warning indication & Scan reading
Scan Alert — Vibration, beep

PERFORMANCE CHARACTERISTICS

Main-Processor
Qualcomm MSM8916 @ 1.2GHz Quad-core

Operating System
Google Android (CTS & GMS certified) — 6.0.1 Marshmallow

Memory and Storage
RAM — 2GB
ROM (NAND Flash) — 16GB
Micro-SD — Micro-SD card slot supports up to 32GB SDHC

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

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
Multiple 1.5m(5 ft) drops to steel over the operating temperature

Water / Dust Proof (Sealing)
IP67

Tumble
500 cycles (1,000 hits) at 1 m / 3.3ft per IEC 60068-2-32

Electrostatic Discharge
±15 kV air discharge
±8 kV contact discharge

DATA CAPTURE

Camera
Rear — 13MP AF with LED flash

Integrated Barcode Reader
1D Laser Scanner — All 1D standard symbology & postal code

2D Imager Scanner — All 1D/2D standard symbology including GS1 databar

NFC (Near Field Communcation)
ISO14443A, ISO14443B & ISO15693 are supportive, 13.56MHz HF
*Supported TAG-ICs:
MIFARE® 1k, MIFARE 4k, MIFARE Plus, MIFARE UltraLight, MIFARE UltraLight C, MIFARE DESFire, MIFARE DESFire EV1, ISO 14443A/B tags

GLOBAL POSITIONING SYSTEM

GPS
12 channel integrated GPS: Assisted via WAN carrier, support GLONASS

WIRELESS

Wireless WAN
EDGE/GPRS/GSM — 900/1800
3G HSPA — B1/2/5/6/8/19
4G — LTE (1,2,3,5,7,8,17,20,40,41)
3G — UMTS/HSDPA/HSUPA/HSPA/HSPA+(B1/2/5/6/8/19)
2G — GSM/GPRS/EDGE (900/1800 MHz)

Wireless LAN
Radio — IEEE 802.11a/b/g/n/d/h/i/k/r/v, IPv4, IPv6, 1X1 SISO

Data Rates — IEEE 802.11a/n: Up to 150 Mbps; IEEE 802.11b/g/n: Up to 72.2 Mbps

Operating Channels — 1 to 13 (2412~2472MHz), 36 to 165 (5180~5825MHz)

Channel Bandwidth — 20, 40 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', FAST(MSCHAPv2, GTC), LEAP

Fast Roam — PMKID Caching: Cisco CCKM, 802.11r

Wireless PAN
Bluetooth — Integrated Bluetooth Class I, Ver. 4.1
Channels — 0 to 78 (2402-2480MHz)
Data Rates — 1, 2, 3Mbps

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

ACCESSORIES

Standard Accessories

AC/DC Power Adaptor

Country Plug

Standard Battery

Stylus Pen and Tether

Hand Strap
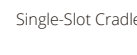

LCD Protection Film

Optional Accessories

USB Sync Cable

Single-Slot Cradle

4-Slot Battery Charger

4-Slot Cradle

Gun-Handle