

PM66

MULTI-PURPOSE ENTERPRISE RUGGED MOBILE COMPUTER

Powerful 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 OS and it is certified by Google Mobile Services (GMS) to support all Google official API including Google Play and Google Maps.

Physical backlit numeric keys towards field-work-forces

More and more field-workers requires smartphone-like features in the field, but fast & accurate input is still very critical for productivity. Users prefer physical keys instead of a touch-based virtual keypad on screen. Along with a keypad below a 4.3 inch screen, PM66 is still light, slim, and has a relatively small form factor against conventional brick-style mobile computers. Each key is wide and big enough for firm, fast and accurate data input. LED back-lit keypad makes working easy in any dimly lit areas.

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

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



Industries

- Retail
- Field Services
- Public Sector
- Transport & Logistics
- Hospitality

Accessories

- | Standard | Optional |
|-----------------------|------------------------------------|
| AC/DC Power Adaptor | USB Sync Cable |
| Country Plug | Single Slot Cradle (opt. Ethernet) |
| Standard Battery | 4 Slot Battery Charger |
| Stylus Pen and Tether | 4 Slot Cradle |
| Handstrap | Gun Handle |
| LCD Protection Film | |



PERFORMANCE CHARACTERISTICS

Main-Processor

Qualcomm MSM8916 @ 1.2GHz Quad-core

Operating System

Google Android 6.0.1 Marshmallow
(CTS & GMS certified) FOTA (Firmware Over The Air) update is available via MS Azure™ Cloud

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

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 Corning Gorilla glass
Wet touch
Glove touch

Power

3.85V, 4,200mAh 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

GLOBAL POSITIONING SYSTEM

GPS

Integrated GPS, GLONASS and BeiDou.
Simultaneous-GNSS and Standalone-GNSS without WAN

WIRELESS

Wireless WAN

EDGE/GPRS/GSM 900/1800
3G HSPA B1/2/5/6/8/19
4G LTE (B1,2,3,5,7,8,17,20,40,41)
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, 80MHz

Regulatory Compliance

As per IEEE 802.11n

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

Integrated Bluetooth Class I, Ver. 4.1+EDR/LE

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 Communication)

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

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

REGULATORY APPROVALS AND COMPLIANCE

Certified CE, CB, CEC, CU, FAC, FCC, IC, PTCRB, KC, RCM, WPC, BIS
Environmental: RoHS II, WEEE compliant

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

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.

Scan2Set

Scan2Set is designed for decoding the
secured QRcode made by Point Mobile's
QRcode Generator. Just a single scan
will make any device setup quick and
painless.

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