

PM70

POCKET-SIZED ENTERPRISE RUGGED SMARTPHONE

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. PM70 runs on Google's 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

Frequently used Hard keys towards field-work-forces

Most Enterprise rugged phones in the market adopt touch keypads even for the Recent App, Home, Back buttons. PM70 comes with hard laser-cut keys for convenience, because not all users wearing gloves prefer to use a stylus pen in the field.

Powerful Wireless, 4G LTE and Bluetooth 4.1LE

PM70 is completely tuned for Enterprise work-forces with smooth hand-over between WWAN and WLAN, seamless roaming among many routers & access points in the harsh working environment, because Enterprise users prioritize seamless connectivity to speed. PM70's 4G LTE category 4 covers worldwide locations including the United States and Europe. Newest Bluetooth Low Energy supports dramatically low power consumption and 3x faster speed than the previous Bluetooth version, which is becoming a more critical specification at location-based solutions like Beacon.



Industries

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

Accessories

Standard

- AC/DC Power Adaptor
- Country Plug
- Standard Battery
- LCD Protection Film

Optional

- USB Sync Cable
- Wireless Charging Pad
- Single Slot Cradle (opt. Ethernet)
- 4 Slot Battery Charger
- 4 Slot Cradle
- Jelly Case

QUALCOMM 1.2GHZ	RAM/ROM 2GB/16GB	ANDROID 6.0.1	4.3" WVGA 480x800	DAYLIGHT READABLE	GORILLA GLASS	4G LTE WIFI	FAST ROAMING	BLUETOOTH VER 4.1
NFC	IMAGER	IP65 1.2m (4ft)	EMKIT SUPPORT	AGPS GLONASS	3,000mAh	13MP REAR 2MP FRONT		

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 up to 32GB SDHC

Sensor

Proximity sensor
Light ambient sensor
Acceleration sensor
Gyro and Digital compass

PHYSICAL CHARACTERISTICS

Dimensions

With standard batt. 136 mm L x 70mm W x 17.4mm D
5.35 in. L x 2.76 in. W x 0.69 in D

Weight

With standard batt. 213g (7.5oz)

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

3.8V, 3,000mAh Li-ion rechargeable
UN38.3 certificate, IEC62133 KC/PSE
Supports micro USB charging

Wireless Charging

Wireless charging pad (Optional)
Complying with WPC standard Qi
Using inductive charging technology

Keypad

3 hard keys (Recent, Home & Back)

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 indications, Warning indications & Scan reading

Scan Alert

Vibration, Beep

GLOBAL POSITIONING SYSTEM

GPS

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

WIRELESS

Wireless WAN

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

DATA CAPTURE

Integrated Barcode Reader

2D Imager scanner All 1D/2D standard symbology
including GS1 databar

Camera

Rear 13MP AF with LED flash
Front 2.0MP fixed focus

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 1.2m(4 ft) drops to steel
at room temperature

Rain / Dust Proof (Sealing)

IP65

Electrostatic Discharge

±15 kV air discharge
±8 kV contact discharge

REGULATORY APPROVALS AND COMPLIANCE

Certified CE, CB, CEC, CU, FAC, FCC, IC, JATE, TELEC, KC, RCM, WPC, BIS
Environmental: RoHS II, WEEE complian

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