

# 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

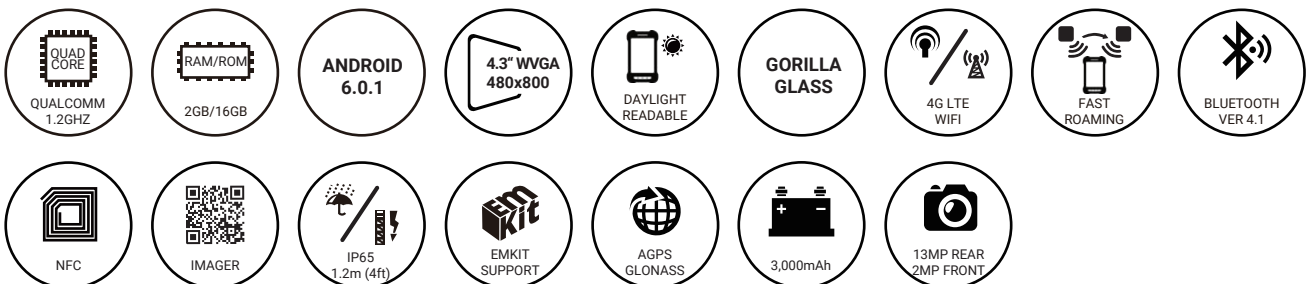
### Accessories

#### 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



## 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/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 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,

## 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



### 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.