

PM80hc

ULTRA RUGGED MOBILE COMPUTER FOR HEALTHCARE

PM80hc for the medical and healthcare industry

With all features of PM80, PM80hc is committed to healthcare data collection and communication workflows that enhance patient safety and quality of care. Moreover, the PM80hc adopts resin which protects the device from alcohol corrosion. It has been tested and approved with four different types of cleaners such as PDI Super Sani-Wipes, PDI Sani-Cloth Plus, Metrex Caviwipes, and Clorox Dispatch with Bleach. Clean your device frequently without worry of device deterioration.

Powerful Qualcomm Snapdragon for painless multi-tasking

Qualcomm's Snapdragon MSM8916 Quad-Core processor is a market-proven AP(Application Processor) with a 1.2GHz clock speed. It is a truly SoC(System on a Chip) having 4G LTE, Wireless LAN, Bluetooth, S-GPS for the uninterrupted workflow and increased productivity.

Google Android 6.0.1 Marshmallow is the heart of the system

PM80hc 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

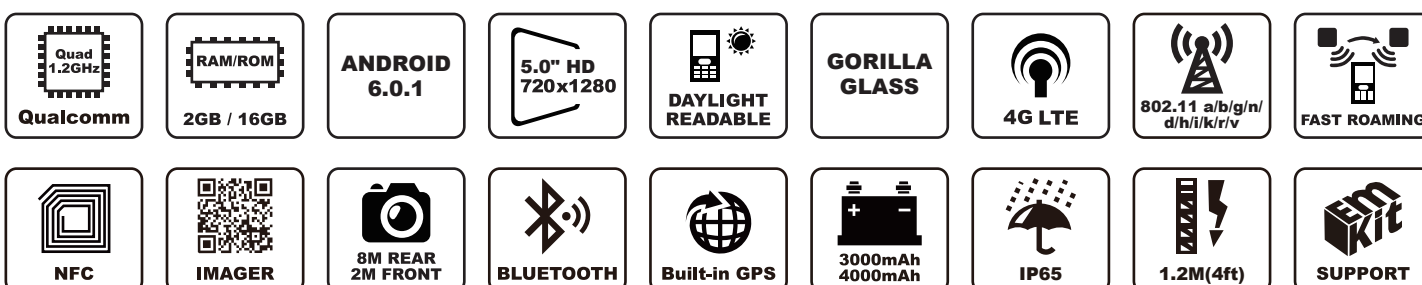
PM80hc adopts a 5.0" IPS panel TFT-LCD with capacitive, and it supports a wide-viewing angle and daylight readability. No medical personnel has to worry about having latex gloves on while managing the device. The display supports glove touch for healthcare professionals to carry out necessary tasks freely, with or without gloves. For maximum durability, the Corning Gorilla Glass 3 is used to protect the screen.

Frequently used 4 "HARD" keys towards healthcare workforces

Most of Enterprise EDA in the market adopts capacitive-based touch button even for the most commonly used Recent App, Home, Back button. Not every professional prefers to use a Stylus pen for day to day tasks. PM80hc features four hard keys: Home, Menu, Back button and a user assignable key for improved productivity.

Powerful wireless for uninterrupted access to vital patient information

The PM80hc supports smooth hand-over between WWAN and WLAN, fast roaming among many routers & access points as seamless connectivity and speed is critical for healthcare professionals to access patient information. PM80hc is a truly hybrid mobile computer, having the design and the usability of a commercial smartphone with the perfect features for the demanding healthcare environment.



PM80hc

PHYSICAL CHARACTERISTICS

Dimensions	
With MSR	156mm L x 82mm W x 22mm D 6.1in L x 3.2in W x 0.9 in D
Without MSR	156mm L x 82mm W x 21mm D 6.1 in. L x 3.2 in. W x 0.8 in D
Weight	
With MSR	293g / 10oz
Without MSR	279g / 9.8oz
Display	
5.0", IPS panel (720 x 1280 pixel) HD Multi-touch capacitive Corning Gorilla glass Daylight readable (500 nits typical) Wideviewing angle Anti-raindrop	
Power	
Standard Battery	3,000mAh Li-ion rechargeable
Extended Battery	4,000mAh Li-ion rechargeable
Keypad	
4 physical keys (Recent Apps, Home, Back & Programmable)	
Audio Support	
Supports 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 either cradle or USB direct sync cable	
Notification	
Front	2 x dual color LEDs for Power, Warning, & Scan reading
Scan Alert	Vibration

PERFORMANCE CHARACTERISTICS

Main-Processor	
Qualcomm MSM8916 @ 1.2GHz Quad-core APQ8016	
Operating System	
Google Android (CTS & GMS is certified)	6.0.1 Marshmallow FOTA (Firmware Over The Air) update is available via MS Azure™ Cloud
Memory and Storage	
RAM	2GB
ROM	16GB
NAND Flash	Slot
Micro-SD	Micro-SD card slot supports up to 32GB SDHC
Sensor	
Gyroscope, Accelerometer, Light Sensor Proximity Sensor	

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 1.2m (4ft)
Rain / Dust Proof (Sealing)	IP65
Tumble	500 cycle (1000hits) at 1m / 3.3ft
Electrostatic Discharge	±15 kV air discharge ±8 kV contact discharge

DATA CAPTURE

NFC (Near Field Communication)	
P2P NFC with 1 SAM slot (13.56MHz HF RFID) Supported TAG-ICs : MIFARE® 1k/4k/Plus, MIFARE UltraLight, MIFARE UltraLight C, MIFARE DESFire, MIFARE DESFire EV1, ISO 14443 A & B	
Camera	
Rear	8.0MP with LED flash
Front	2.0MP
Integrated Barcode Reader	
1D/2D Imager	All 1D/2D standard symbology including GS1 databar
Magnetic Stripe Reader (Optional)	
MSR / IC combo reader ANSI / ISO7813 standard	

GLOBAL POSITIONING SYSTEM

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

WIRELESS

Wireless WAN	
EDGE/GPRS/GSM	900/1800
WCDMA	B1/2/5/6/8/19
LTE FDD	B1/2/3/4/5/7/8/17/20
LTE TDD	B40/41
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 Channels	Integrated Bluetooth Class II, Ver. 4.1+EDR/LE 0 to 78 (2402-2480MHz)
Data Rates	1, 2, 3Mbps

REGULATORY APPROVALS AND COMPLIANCE

Certified CE & GCF, FCC & PTCRB (GCF test report), IC, ANATEL, CCC & SRRC & NAL ,KC, TELEC & JATE, CB,RCM
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	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
	Standard Battery
	Stylus Pen and Tether
	Wrist Landyard
	LCD Protection Film
Optional Accessories	
	I/O sync USB Cable
	Extended Battery
	Single-Slot Cradle
	Single-Slot Ethernet Cradle
	4-Slot Battery Charger
	4-Slot Cradle
	Rubber Boot with Hand Strap
	Charging Converter
	Gun-Handle



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