

PM450

EVERYWHERE SURVIVAL ULTRA-RUGGED HANDHELD TERMINAL

The terminal what most needed at your harshest warehouse

When you need to do intensive barcode scanning job with mobility at your harshest working environment, PM450 is the right product for you. Even though your consumers always seek for new and cutting-edge technology, your workers have been always selecting the product with the most convenient and user-friendly features to make their job easiler and faster. PM450 definitely fulfills these controversial requirements but yet adopts latest technology of enterprise mobility trend for next decade.

Maximize power and speed with latest micro processor

Adopting latest Cortex A8 @ 1GHz processor from TI (Texas Instrument), PM450 will give you maximum power and speed for your field workforces to conduct any compli-cated job process in the field. PM450 has 512MB RAM memory and 1GB Flash ROM which is enough to run a variety of embedded applications.

Experience new convenience with new transformable keypad

With 2 different sets of keypad - 32 key Numeric/shifted Alpha & 56 key Full Alpha /Numeric, you will have utmost capability and ease of use at any applications. With Easy Swap function, switching keypad can be done in minutes at service depot.

Utmost rugged terminal but yet featured as enterprise mobile gadget

PM450 can survive 1.8m (6ft) multiple drop at any operating temperature and at any harsh environment with IP65 rain/dust sealing. Moreover, just like the mobile handset on your hand, PM450 also features 3.9G HSPA+ WWAN, IEEE 802.11 a/b/g/n Wireless LAN and built-in assisted GPS as well as 5 Megapixel color camera with LED flash in order to adapt on both inside- & outside-4-wall applications.

Truly multiple choices of your automatic data input

PM450 has mid-range 1D laser, standard range 1D / 2D imager and extra range 1D / 2D imager in order to be counted on any user application and its user tendency.



Compatible Utilities







Power Launcher

Wavelink TE

PM450 is designed for serving at as many vertical markets as possible: such as transportation, logistics, distribution centers, manufacturing, govern-ment, public sectors as so on. As it is truly everywhere survival product in your field, with PM450, you can count on your workers completely without any error input or delay. Moreover, you can completely drop off hassles with less down time and low total cost ownership.





WEH 6.5 WIN CE 6.0 ANDROID 4.2



























PM450

PHYSICAL CHARACTERISTICS

Dimensions

With standard batt. $215.5mm L \times 80.2mm W \times 39.25mm D$

468g / 16.5oz

508g / 17.9oz

516g / 18.2oz

556g / 19.2oz

8.3 in. L x 3.1 in. W x 1.5 in D

Grip Width 64.5mm / 2.5 in

Weight

Mid/STD Scanner

& STD battery

Mid/STD Scanner & EXT battery

FL range Scanner & STD battery

EL range Scanner & EXT battery

Display 3.5" (240 x 320 pixel) QVGA, TFT-LCD 3.5" (480 x 640 pixel) ,VGA, TFT-LCD VGA model only: LED Backlight 600NITs,

Daylight readable (500 nits typical), Wide viewing angle

Removable, rechargeable

Standard Battery

5,200mAh Li-ion rechargeable Extended Battery

Keypad

2 Keypad options replaceable)

32 key Numeric (Shifted alpha), 56 key Full alpha & Numeric

3,120mAh Li-ion rechargeable

Audio Support

Supports VoIP

Built-in microphone and speaker Headset jack (3.5mm)

Standard

High speed USB 2.0 from Communications either cradle or USB sync cable RS232 (115 Kbps) from cradle

PERFORMANCE CHARACTERISTICS

Main-Processor

TI - Cortex A8 Processor @ 1GHz

Operating System

Windows Embedded CE 6.0 Professional Windows Embedded Handheld 6.5 Professional Google Android 4.2.2 Jellybean

Memory and Storage

RAM 512MB ROM (NAND Flash) 1GB

Micro-SD card slot supports Micro-SD

up to 32GB SDHC

USER ENVIRONMENT

Operating Temperature -20°C to 50°C / -4°F to 140°F

Storage Temperature

-40°C to 70°C / -40°F to 158°F

Humidity 95% Non-condensing Drop 1.8m (6 ft) across the operating

temperature range

Rain / Dust Proof IP65 (Sealing)

Tumble 500cycle (1,000hits) at 1m (3.3ft)

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

DATA CAPTURE

Camera 5.0 MP AF camera with flash light

Integrated Barcode Reader

1D Mid-range Reads up to 2.5meter (55mil Code 39) Laser Scanner

1D/2D Standard

Reads up to 381mm (UPC 100%) range Image

range Imager

1D/2D Extra long Reads up to 11meter (100mil Data Matrix)

GLOBAL POSITIONING SYSTEM

GPS

Standalone GPS, Assisted GPS -Control Plan - E911 -User Plan -gpsOneXTRA(TM)

WIRELESS

Wireless WAN (Data only, no voice)

UMTS Frequencies: 800, 850, 900, 1900, 2100MHz GSM/GPRS Frequencies: 850, 900, 1800, 1900MHz Technology Class UMTS: 3.9G HSPA+ Max Max speeds: Uplink - 5.76 Mbps Downlink - 14.4 Mbps

Wireless I AN

IEEE 802.11 a/b/g/n

Data rates: 11, 54 and 72.2 Mbps

Channels: 1 to 13 (2.4GHz) / 36 to 165 (5GHz) Regulatory compliance: As per IEEE 802.11n Security: WEP / WPA / WPA2 and more Authentication: PEAP/MS-CHAPv2, EAP-TLS, CCX

Encryption: WEP, AES, TKIP

Wireless PAN

Bluetooth Integrated Bluetooth Class II, Ver.2.1+EDR

Channels 0 to 78 (2402-2480 MHz)

Data Rates 1, 2, 3 Mbps

REGULATORY APPROVALS AND COMPLIANCE

FCC, IC, cUL, CE,CB, ANATEL, UL HAZLOC ISA12.12.01 (C1,D2,G A-D) CCC&SRRC, TELEC, KC, RoHS II

ENTERPRISE SOLUTION

SOTI, Airwatch, Teamviewer

ACCESSORIES Standard Accessories AC/DC Power Adapter Standard Battery Stylus Pen and Tether Hand Strap LCD Protection Film **Optional Accessories** USB Sync Cable Single-Slot Cradle Single-Slot Ethernet Cradle Extended Battery Gun-Handle

4-Slot Battery Charger

4-Slot Cradle

