POINT Mobile

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 water/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.
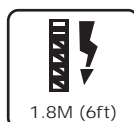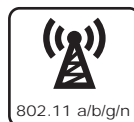
Compatible Utilities

POINT Mobile
Power Launcher

wavelink.
Wavelink TE

SOTI.net
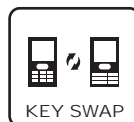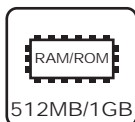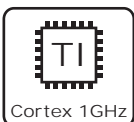We Manage Mobility
MobiControl

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.

TI Cortex 1GHz	RAM/ROM 512MB/1GB	WEH 6.5 WIN CE 6.0 ANDROID 4.2	DAYLIGHT READABLE	32 KEY 56 KEY	KEY SWAP	3.9G HSPA+	802.11 a/b/g/n
LASER	IMAGER	LONG RANGE	5M CAMERA	BLUETOOTH	GUN HANDLE	IP65	1.8M (6ft)

Technical Specifications

Physical characteristics
Dimensions: 212.5 x 80.2 x 39.25mm (8.3 x 3.1 x1.5 in),
Grip width: 64.5mm (2.5 in)
Weight:
468g (16.5oz) w/ Mid/STD scanner & STD battery
508g (17.9oz) w/ Mid/STD scanner & EXT battery
516g (18.2oz) w/ extra long range scanner & STD battery
556g (19.2oz) w/ extra long range scanner & EXT battery

Environmental
Operating: -20°C to 60°C (-4°F to 140°F)
Storage: -40°C to 70°C (-40°F to 158°F)
Relative Humidity: Non-condensing, 95%
Rain & Dust Proof: IP65
Drop : 1.8m (6 ft) across the operating
temperature range
Tumble : 1,000cycle (2,000hit) @ 1m (3.3ft)
ESD: +/- 15 kV air, +/- 8 kV contact

Power
Standard Battery: 3,120mAh Li-ion
Extended Battery: 5,200mAh Li-ion
removable, rechargeable

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

Micro-Processor
TI - Cortex A8 Processor @ 1GHz

Memory and Storage
Memory: 512MB RAM
ROM: 1GB NAND Flash ROM
User-accessible micro-SD cards up to 32GB SDHC

Display
3.5 in, 240 x 320 pixel (QVGA) TFT-LCD
3.5 in, 480 x 640 pixel (VGA) TFT-LCD
(VGA model only: LED Backlight 600NITs,
daylight readable, Wide viewing angle)

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

Wireless WAN (Data only, no voice)
UMTS Frequencies: 800, 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 LAN
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
Integrated Bluetooth Class II, Ver.2.1+EDR
Operating channels: 0 to 78 (2402-2480 MHz)
Data Rates: 1, 2, 3 Mbps

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

Integrated Barcode Scanner
1D mid-range laser scanner :
reads up to 2.5meter (55mil Code 39)
1D/2D standard range imager :
reads up to 381mm (UPC 100%)
1D/2D Extra long range imager : reads
up to 11meter (100mil Data Matrix)

Audio Support
Supports VoIP, Built-in microphone and speaker,
headset jack (3.5mm)

Integrated Camera
5.0 MP Auto focus camera with flash light

Keypad Options
Service-depot replaceable 2 keypad options:
32 key Numeric/shifted Alpha,
56 key Full alpha & Numeric

Accessories
Standard accessories: AC/DC power adaptor &
country plug, Stylus pen and tether, Hand strap,
Standard battery, LCD protection film
Optional accessories: Single-slot cradle,
Single slot ethernet cradle, Extended battery,
Gun-handle, 4-slot cradle, 4-slot battery charger,
USB sync cable.

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

Standard accessories

AC/DC
Power Adaptor

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

POINT Mobile