

# M1040

10.4" Intel® Atom™ N450 Mobile Clinical Assistant



## Features

- eHealthcare and Clinical Assistant Application
- Soldered Onboard Intel® Atom™ N450 Processor
- Electromagnetic Digitizer with Resistive Touch
- EN60601-1, EN60601-1-2, UL60601-1 Compliant
- Redundant Battery (Internal + Hot-swappable External Battery) w/ Long Battery Life (3.5hrs)
- Slim Appearance - Ultra-light Weight (1.3kg) and Ultra-slim (26mm) ; Slip-free Grip for Easy Handling
- Multi-connectivity (Bluetooth, WLAN, Gigabit Ethernet)
- Integrated 2D Barcode Scanner, 2.0 Megapixels Camera, RFID Reader
- Multi-expansion (1 x RS-232, 1 x USB, 1 x LAN, 1 x VGA , and 1 x SmartCard)

## System

<b>CPU</b>	Intel® Atom™ N450 1.6GHz processor with 667MHz FSB
<b>Graphics Controller</b>	Gen3.5 + GFX Core
<b>Memory</b>	2GB DDR2-667 SO-DIMM memory module installed
<b>Chipset</b>	Intel® Atom™ N450 + ICH8M
<b>Audio</b>	Azalia HD IDT 92HD81 Audio
<b>Storage</b>	120GB 1.8" SATA HDD or 32GB 1.8" SATA SSD installed

## Peripherals and Devices

<b>USB Port</b>	1 x USB 2.0 port
<b>Camera</b>	1 x 2.0 megapixels CMOS camera (front) 1 x 2.0 megapixels CMOS camera w/ auto-focus (back)
<b>RFID</b>	13.56MHz RFID reader with ISO 15693 support
<b>Ethernet</b>	1 x Realtek RTL8111 Gigabit Ethernet controller
<b>Wi-Fi</b>	1 x 802.11 b/g/n Mini PCIe Wireless LAN card
<b>GSM/UMTS</b>	Up to HSPA 3.75G (optional)
<b>Bluetooth</b>	1 x Bluetooth module
<b>Barcode Scanner</b>	1 x 2D Barcode Scanner
<b>Smart Card Reader</b>	1 x Smart Card Reader (optional)

## Button & Indicator

<b>Function Key</b>	1 x 5-way function key (brightness/volume/WLAN on/off) 1 x Bluetooth on/off button 1 x Camera capture button 1 x Input type (Chinese/Alphanumeric) selection button 1 x SAS button (Ctrl + Alt + Del) 1 x RFID on/off button 1 x Barcode scan trigger button
<b>LED Indicator</b>	1 x Battery status LED 1 x Bluetooth LED 1 x WLAN/RFID on/off LED 1 x Power on/off LED
<b>Power Button</b>	1 x Power on/off button with indicative LED ring

## LCD Display

<b>Size/Type</b>	10.4" TFT Active Matrix Panel
<b>Max. Resolution</b>	1024 x 768 (XGA) w/ 262,144 colors
<b>Luminance</b>	300 cd/m <sup>2</sup> (typ.)
<b>Viewing Angle</b>	+89° ~ -90° (H), +89° ~ -90°(V)
<b>Backlight Type</b>	LED

## Touch Screen

<b>Type</b>	Digitizer with Resistive Touch
<b>Touch Pen</b>	Battery-free pen

## Power Supply

<b>Adapter Input</b>	100 ~ 240 VAC (Full Range)
<b>Adapter Output</b>	20VDC, 3.25A, 65W
<b>Battery Type</b>	Li-battery pack
<b>Battery Capacity</b>	Internal 1880mAh 3-cell External 2000mAh 4-cell
<b>Battery Operating Time</b>	3.5 hours

## Mechanical & Environmental

<b>Operating Temp.</b>	0 ~ 40°C (32 ~ 113°F)
<b>Storage Temp.</b>	-20 ~ 60°C (-4 ~ 140°F)
<b>Dimensions (W x D x H)</b>	256 x 26 x 255 mm (10.08" x 1.02" x 10.04")
<b>Weight (Net)</b>	1.3 kg (2.8 lb) w/ batteries (internal + external)
<b>Regulatory</b>	CE, FCC Class B EN60601-1, EN60601-1-2, UL60601-1 compliant
<b>IP Rating</b>	IP54
<b>Vibration</b>	5 ~ 500Hz, 3G random operation
<b>Shock</b>	40G peak (11m/sec)
<b>Transit Drop</b>	Under 3ft (90cm)

## Ordering Information

<b>M1040</b>	10.4" portable medical PC with vehicle-mount cradle
<b>BAT-1040</b>	External 2000mAh 4-cell Li-battery