

# M1042

## 10.4" Intel® Atom™ N2800 Mobile Clinical Assistant



### Features

- eHealthcare and Clinical Assistant Application
- Lifetime Guarantee Anti-bacterial Protection (Against Escherichia Coli & Staphylococcus Aureus)
- Soldered Onboard Intel® Atom™ Dual Core N2800 Processor
- EN60601, UL60601-1 Certified
- Redundant Battery (Internal + Hot-swappable External Battery) w/ Long Battery Life (6.5 hrs Max.)
- Slim Appearance - Ultra-light Weight (1.3kg) and Ultra-slim (26mm) ; Slip-free Grip for Easy Handling
- 2D Barcode Scanner, 2.0 Megapixels Camera, RFID Reader

### System

<b>CPU</b>	Intel® Atom™ N2800 1.86GHz processor
<b>Memory</b>	2GB DDR3 SO-DIMM memory module installed
<b>Chipset</b>	Intel® NM10
<b>Audio</b>	2 x 1.5W Speakers, 1 x built-in Digital Microphone
<b>Storage</b>	32GB mSATA 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 (rear)
<b>Wi-Fi</b>	1 x 802.11 a/b/g/n Mini PCIe Wireless LAN card
<b>Ethernet</b>	1 x Realtek RTL8111E Gigabit Ethernet controller (via DTC-1040 or VMC-1040)
<b>RFID</b>	13.56MHz RFID reader with ISO 14443A/14443B/15693 support (optional)
<b>GSM/UMTS</b>	1 x HSPA 3.75G (optional)
<b>Bluetooth</b>	1 x Bluetooth 2.1 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 1 x RFID on/off button 1 x Barcode scan trigger button 4 x Programmable function keys (F1 ~ F4) Default setting: referring to User Manual
<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

### OS support

Windows Embedded Standard 7  
Windows Embedded Professional 7  
Linux Ubuntu and Fedora compatible

### 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>	340 cd/m <sup>2</sup> (typ.)
<b>Contrast Ratio</b>	600:1 (typ.)
<b>Viewing Angle</b>	+89° ~ -90° (H), +89° ~ -90°(V)
<b>Backlight Type</b>	LED

### Touch Screen

<b>Type</b>	Resistive Touch Screen for M1042R Projective Capacitive Touch Screen, adopting Corning® Gorilla® Glass tech. for M1042C
<b>Digitizer</b>	10.4" Electromagnetic Digitizer (only for M1042R)

### Power Requirement

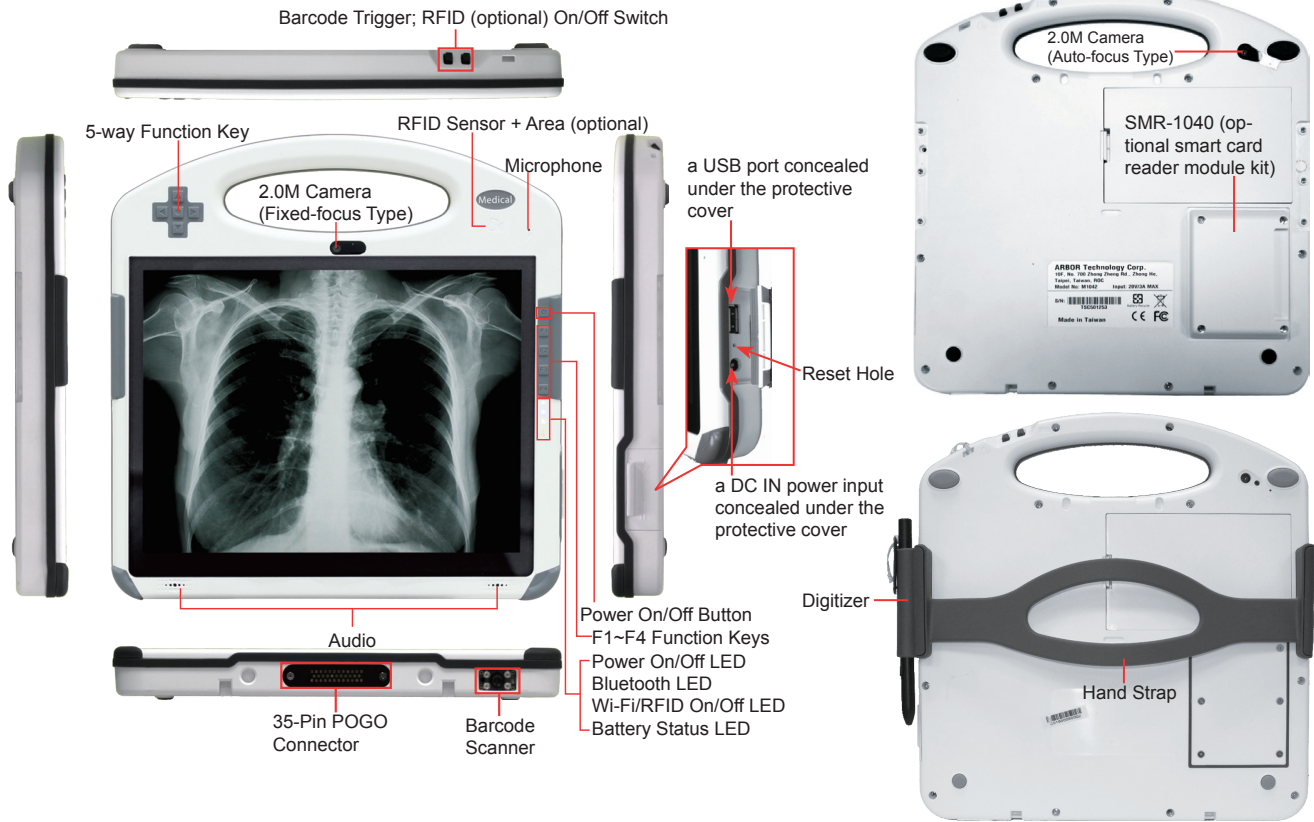
<b>Adapter Input</b>	100 ~ 240 VAC (Full Range)
<b>Adapter Output</b>	20VDC, 3.0A, 60W
<b>Battery Type</b>	Li-battery pack
<b>Battery Capacity</b>	Internal 1880mAh 3-cell External 1880mAh 4-cell
<b>Battery Operating Time</b>	6.5 hours (Max.)

### Mechanical & Environmental

<b>Operating Temp.</b>	0 ~ 40°C (32 ~ 104°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
<b>IP Rating</b>	IP54
<b>Vibration</b>	5 ~ 500Hz, 3G random operation
<b>Shock</b>	30G peak (11m/sec)
<b>Transit Drop</b>	3ft (90cm) drop to Concrete, 5 sides all pass except the front panel side
<b>Operational Altitude</b>	below 2000m

### Ordering Information

<b>M1042R</b>	10.4" MCA tablet with Resistive Touch Screen, WiFi, BT, Front & Rear Cameras, Digitizer, External Battery, Internal Battery, Barcode Scanner
<b>M1042C</b>	10.4" MCA tablet with Projective Capacitive Touch Screen, WiFi, BT, Front & Rear Cameras, External Battery, Internal Battery, Barcode Scanner



## Standard Accessories

### PAC-M060W

60W Medical grade AC/DC adapter kit



### HSK-1040

Hand strap kit



### eBAT-1040

External 1880mAH 4-cell Li-battery



### DGT-1040

10.4" Digitizer with Battery Free Pen (only for M1042R)



## Optional Accessories

### VMC-1040

RAM-ball mount cradle



### DMK-1040

Bracket used to convert the VMC-1040 to Desktop station



### DTC-1040

Desktop cradle



### VSB-1040

VESA Mount Transfer Bracket for VMC-1040



## Optional Configuration (CTOS Kit)

### SMR-1040

Smart card reader module kit



### RFID-1040

RFID module kit



### HSUPA-1040

HSUPA 3.75G module kit



\*CTOS means *Configure to Order Service*.

### » Electromagnetic Digitizer with Resistive Touch



### » Slim Appearance, Slip-free Grip for Easy Handling

