

# M1042

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



### Features

- eHealthcare and Clinical Assistant Application
- Anti-bacterial Protection (Against Escherichia Coli & Staphylococcus Aureus)
- Soldered onboard Intel® Atom™ Processor N2800
- EN60601 and 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

CPU	Soldered onboard Intel® Atom™ Processor N2800 dual-core 1.86GHz
Graphic Controller	Intel® GMA3650
Memory	2GB DDR3 SO-DIMM memory module installed
Chipset	Intel® NM10
Storage	32GB mSATA SSD installed

### Peripherals and Devices

Camera	1 x 2.0 MP CMOS camera (front) 1 x 2.0 MP CMOS camera w/ auto-focus (rear)
WLAN	Integrated Intel® Centrino® Advanced-N 6205 802.11 a/b/g/n
RFID	1 x Integrated 13.56MHz RFID reader with ISO 14443A/14443B/15693 support (optional)
GSM/UMTS	Integrated HSUPA 3.75G (optional)
Bluetooth	Integrated Bluetooth 2.1+EDR
Barcode Scanner	1 x Integrated 2D Barcode Scanner
Smart Card Reader	1 x Integrated Smart Card Reader (optional)

### I/O Interface

Audio	2 x Integrated 2W speakers, 1 x built-in Digital Microphone
USB Port	1 x USB 2.0 port
Docking Port	1 x 35-pin POGO connector to expand USB, VGA & GbE

### Button & Indicator

Button	1 x Power on/off button with indicative LED ring
	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
Indicator	1 x Battery status LED
	1 x Bluetooth LED
	1 x WLAN/RFID on/off LED
	1 x Power on/off LED
Reset Function	1 x hardware reset

### Touch Screen

Type	Analog Resistive Touch for M1042R Projective Capacitive Touch, adopting Corning® Gorilla® Glass tech. for M1042C
Digitizer	10.4" Electromagnetic Digitizer (only for M1042R)

### LCD Display

Size/Type	10.4" TFT Active Matrix Panel
Max. Resolution	1024 x 768 (XGA) w/ 262,144 colors
Luminance	340 cd/m <sup>2</sup> (typ.)
Contrast Ratio	600:1 (typ.)
View Angle (U/D/R/L)	89°/89°/89°/89°
Backlight Type	LED

### Power Requirement

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

### Mechanical & Environmental

Operating Temp.	0 ~ 40°C (32 ~ 104°F)
Storage Temp.	-20 ~ 60°C (-4 ~ 140°F)
Operating Humidity	10 ~ 95% @ 40°C (non-condensing)
Dimensions (W x D x H)	256 x 26 x 255 mm (10.08" x 1.02" x 10.04")
Net Weight	1.3 kg (2.87 lb) w/ batteries (internal + external)
Regulatory	CE, FCC Class B EN60601-1 (3rd Edition), EN60601-1-2, certified
IP Rating	IP54
Vibration	5 ~ 500Hz, 3G random operation
Shock	30G peak (11m/sec)
Transit Drop	3ft (90cm) drop to Concrete, 5 sides all pass except the front panel side
Operational Altitude	below 2000m

### OS support

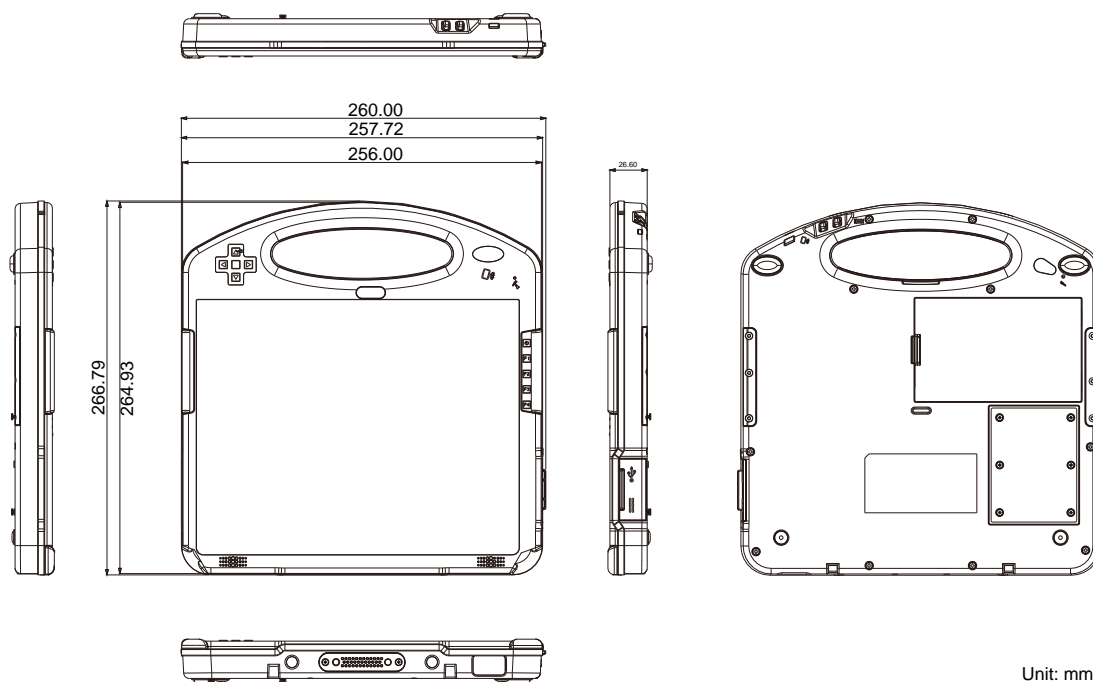
Windows Embedded 7 / Windows 7 Professional  
Ubuntu and Fedora Linux compliant

### Ordering Information

M1042R	10.4" MCA tablet with resistive touch screen, WiFi, BT, front & rear cameras, digitizer, external battery, internal battery and barcode scanner
M1042C	10.4" MCA tablet with projective capacitive touch screen, WiFi, BT, front & rear cameras, external battery, internal battery and barcode scanner






## Dimensions







Unit: mm

### Standard Accessories

PAC-M060W	60W medical-grade AC/DC adapter kit	
HSK-1040	Hand strap kit	
eBAT-1040	4-cell 1880mAH external battery kit	
DGT-1056	10.4" digitizer with battery-free pen (for M1042R only)	
CTP-1042	M1042 capacitive touch pen kit (for M1042C only)	

### Optional Accessories

VMC-1040	Vehicle-mount cradle	
DMK-1040	Bracket to convert VMC-1040 to the desktop type	
DTC-1040	Desktop cradle	
VSB-1040	VESA-mount bracket to adapt the computer to VMC-1040	

### Optional Configuration (CTOS\* Kit) (Not Sold Separately)

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.