



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
- IEC60601-1 (3rd edition), EN60601-1 (3rd edition), EN60601-1-2 certified
- UL60601-1 compliant
- 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 & Bluetooth	1 x WLAN 802.11 a/b/g/n & Bluetooth 2.1 + EDR
RFID	1 x 13.56MHz RFID reader with ISO 14443A/14443B/15693 support (optional)
GSM/UMTS	1 x HSPA 3.75G (optional)
Barcode Scanner	1 x 2D Barcode Scanner
Smart Card Reader	1 x Smart Card Reader (optional)

I/O Interface

Audio	2 x 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 ² (typ.)
Contrast Ratio	600:1 (typ.)
Backlight Type	LED
View Angle (U/D/R/L)	89°/89°/89°/89° (typ.)

Power Requirement

Adapter Input	100 ~ 240 VAC (full range)
Adapter Output	DC 20V, 3.0A, 60W with medical certificate
Battery Type	Li-battery pack
Battery Capacity	1 x 1880mAh 3-cell internal battery pack
	1 x 1880mAh 4-cell external battery pack
Battery Life	Up to 6.5 hours (depends on configuration and use)

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 H x D)	256 x 255 x 26 mm (10.08" x 10.04" x 1.02")
Net Weight	1.3 kg (2.87 lb) w/ batteries (internal + external)
Vibration	5 ~ 500Hz, 3G random operation
Shock	30G peak (11m/sec)
Mounting	VESA-75 compatible (M4)
IP Rating	IP54
Transit Drop	3ft (90cm) drop to Concrete, 5 sides all pass except the front panel side
Operational Altitude	Below 2000m
Regulatory	CE, FCC Class B
	IEC60601-1 (3 rd edition), EN60601-1 (3 rd edition), EN60601-1-2
	UL60601-1 compliant

OS Support

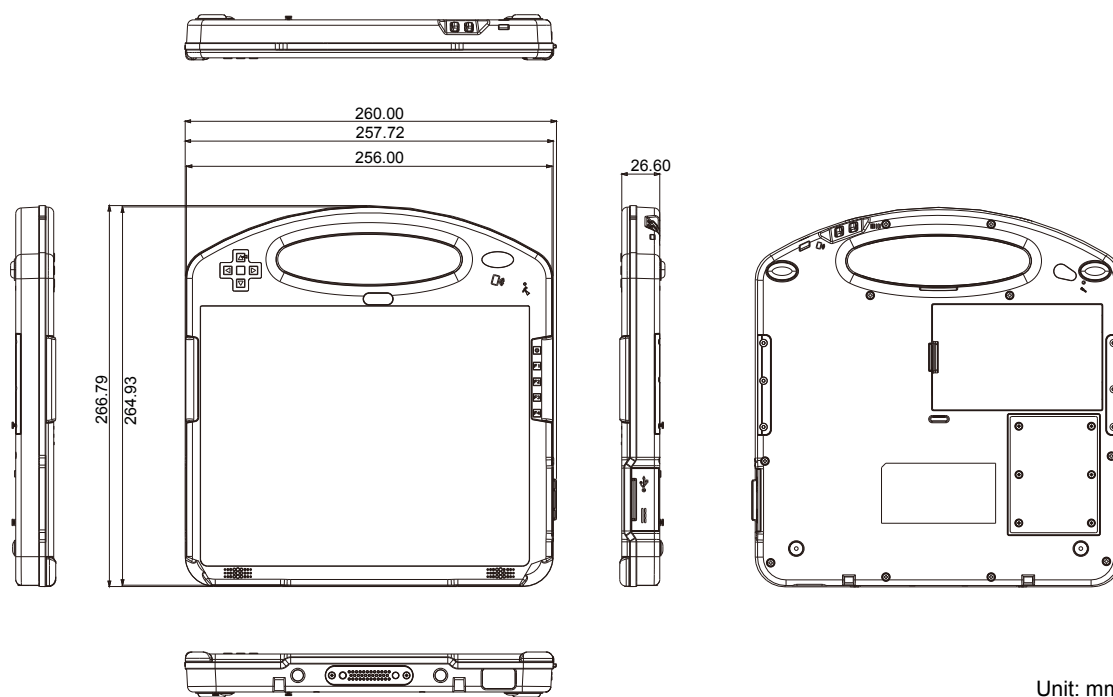
Windows Embedded Standard 7 (WS7E / WS7P) for M1042R
Windows Embedded Standard 7 (WS7P) for M1042C
Linux: Ubuntu / Fedora

Ordering Information






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







Dimensions




Standard Accessories

PAC-M060W	60W medical-grade AC/DC adapter kit	
HSK-1040	Hand strap kit for M104X	
eBAT-1040	1880mAh 4-cell external battery pack	
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 for M104X	
DMK-1040	Bracket to convert VMC-104X to desktop type	
DTC-1040	Desktop cradle for M104X	
VSU-1040	VESA-mount bracket to adapt the computer to VMC-104X	

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

SMR-1040	Smart card reader module kit for M104X	
RFID-1040	RFID module kit for M104X	
HSUPA-1040	HSUPA 3.75G module kit for M104X	

*CTOS means Configure-to-Order Service.