

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™ 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

CPU	Intel® Atom™ N2800 1.86GHz processor
Graphic Controller	Intel® GMA3650
Memory	2GB DDR3 SO-DIMM memory module installed
Chipset	Intel® NM10
Audio	2 x 2W Speakers, 1 x built-in Digital Microphone
Storage	32GB mSATA SSD installed

Peripherals and Devices

Camera	1 x 2.0 megapixels CMOS camera (front) 1 x 2.0 megapixels CMOS camera w/ auto-focus (rear)
Wi-Fi	Integrated Intel® Centrino® Advanced-N 6205 802.11 a/b/g/n
RFID	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	Integrated 2D Barcode Scanner
Smart Card Reader	Integrated Smart Card Reader (optional)

I/O Interface

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.)
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, 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

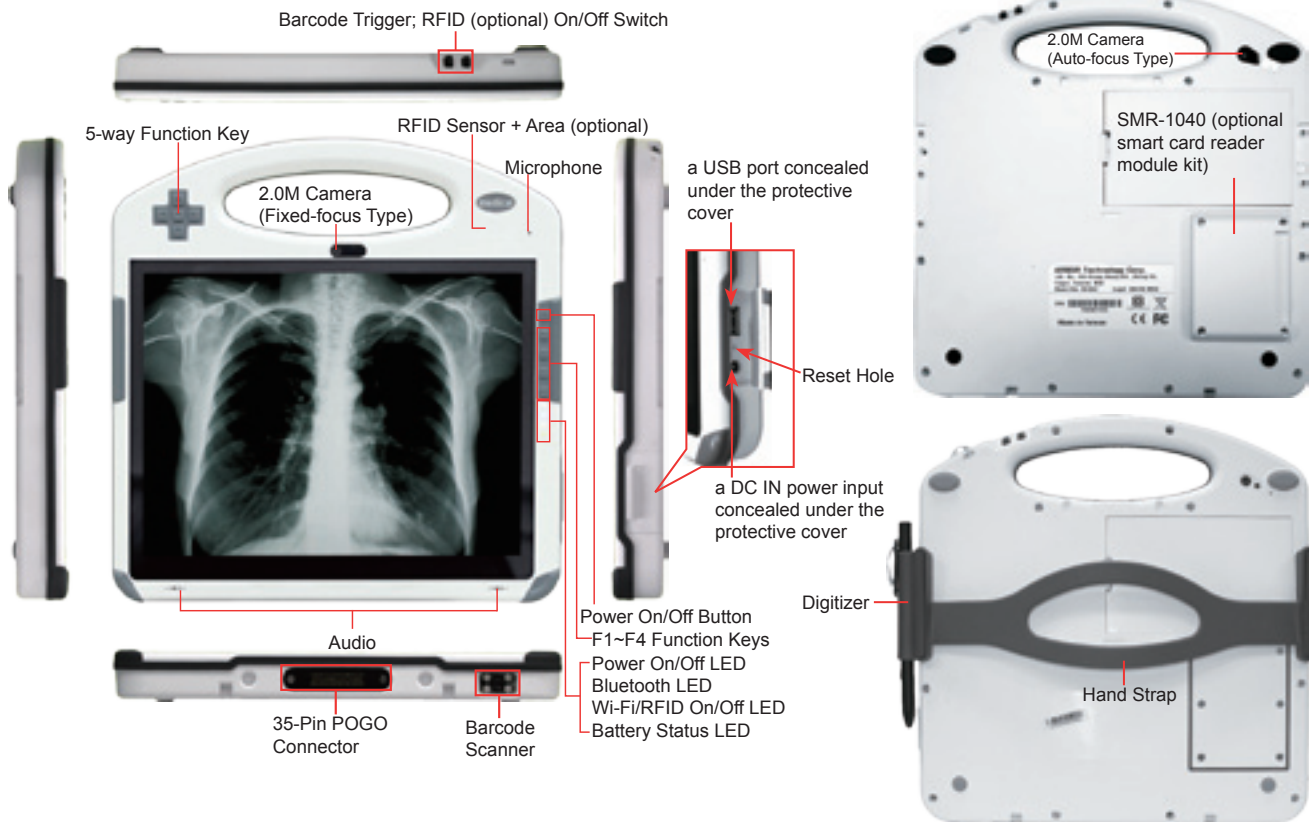
OS support

Windows 7 Embedded / 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, Barcode Scanner
M1042C	10.4" MCA tablet with Projective Capacitive Touch Screen, WiFi, BT, Front & Rear Cameras, External Battery, Internal Battery, Barcode Scanner

All specifications are subject to change without notice.



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)	

Optional Accessories

CTP-1042	M1042 Capacitive Touch Pen kit (for M1042C only)	
VMC-1040	Vehicle-mount Cradle	
DMK-1040	Bracket to convert VMC-1040 to the desktop type	
DTC-1040	Desktop Cradle	
VSF-1040	VESA-mount Bracket to adapt the computer to VMC-1040	

Optional Configuration (CTOS Kit)

iBAT-1042	3-Cell 1880mAH Internal Battery 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



» Hand Strap for one-handed hold of the computer

