



M1040

10.4" Intel® Atom™ N450 Portable Medical PC



Features

- eHealthcare and Clinical Assistant Application
- Soldered Onboard Intel® Atom™ N450 Processor
- Projected Capacitive Multi Touch Screen (Support Windows 7)
- 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 Megapixel Camera, RFID Reader
- Multi-expansion (1 x RS-232, 3 x USB, 1 x LAN, 1 x VGA , 1 x SmartCard/MSR, 1 x Charging Bay (Via Docking Station))

System

CPU	Intel® Atom™ N450 1.6GHz CPU with 667MHz FSB
Graphics Controller	Gen3.5 + GFX Core
Memory	2GB DDR2-667 SO-DIMM memory installed
Chipset	Intel® Atom™ N450 + ICH8M
Audio	Azalia HD IDT 92HD81 Audio
Storage	60GB 1.8" SATA HDD or 4GB 1.8" SATA SSD installed
Ethernet	1 x Realtek 8111B-GR PCIe Gigabit Ethernet controller
Wi-Fi	1 x 802.11 b/g/n Mini PCIe Wireless LAN card
GSM	1 x HSUPA (3.75G) Module (Optional)
Bluetooth	1 x Bluetooth module
Camera	1 x 2.0 Megapixels CMOS camera (Front) 1 x 2.0 Megapixels CMOS camera w/ Auto-focus (Back)
RFID	13.56MHz RFID reader with ISO 15693 support
USB Port	3 x USB 2.0 port (Via Docking station)

Button & Indicator

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

LCD Display

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

Touch Screen

Type	Projected Capacitive
Light Transparency	85% (typ.)
Controller Interface	USB Interface

Power Supply

Adapter Input	100 ~ 240 VAC (Full Range)
Adapter Output	19VDC, 3.42A, 65W
Battery Type	Li-battery pack
Battery Capacity	Internal 1880mAh 3-cell External 1880mAh 4-cell
Battery Operating Time	3.5 hours

Mechanical & Environmental

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

Ordering Information

M1040	10.4" Intel® Atom™ N450 portable medical PC
BAT-1255	External 1880mAh 3-cell Li-battery
DTC-1040	Desktop cradle of M1040

All specifications are subject to change without notice.

Computer on Module

Compact Board

Slot Board

Industrial Motherboard

Wide Temperature

SBC Daughterboard / Power Converter / Mounting Kit

Rugged Tablet PC

Medical PC

Industrial Panel PC/Monitor

Box PC

Industrial Chassis / Backplane / Power supply