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# 15" Medical Panel / Tablet-PC M1525

Intel Core™ 2 Duo Medical PC with Bluetooth, WLAN and Battery



## Features

- For Healthcare or Bedside Entertainment System Application
- UL60601-1/EN60601-1-1/EN60601-1-2
- Support Intel Core™ 2 Duo CPU up to T7400 (2.16GHz)
- Optional Fanless System with Celeron M 423 CPU
- Front Panel IP-54 Splashproof, Dust Resistant
- Isolated Circuit Protection for All Serial Ports
- High Capacity Li-Battery (7,200mAh) with Long Battery Life (3.5hrs)
- Multi-Connectivity (Bluetooth/WLAN/GbE LAN)
- Multi-Expansion (U-DOM/DVD/Mini-Card/Smart Card Reader)

## System

**CPU** Intel Celeron M CPU 423 1.06GHz (Fanless) or Intel Core™ 2 Duo  
CPU up to T7400 2.16GHz, 4MB L2 Unified, FSB667/533MHz  
**Graphics Controller** Intel GMA950 Video Controller, up to 192MB shared memory  
**Memory** 2 x 200 pin SO-DIMM, up to 4GB Dual Channel DDR2 SDRAM 667/533/400MHz  
**Chipset** Intel 945GME + Intel ICH7M  
**IDE** 1 x IDE for CD-ROM drive  
**Serial ATA** 1 x SATA1300MB/s HDD transfer rate

## Peripherals and Devices

**Serial Port** 4 x RS-232 w/ isolation  
**USB Port** 4 x USB 2.0 ports  
**KB/MS** 1 x PS2 K/B and Mouse  
**LAN** 1 x RJ45  
**VGA** 1 x DB15  
**DVI** 1 x DVI  
**RJ11** 1 x RJ11 for Input, 1 x RJ11 for output  
**Wi-Fi** 1 x Wireless LAN 802.11b/g/n  
**Bluetooth** 1 x Bluetooth module by USB interface  
**Smart Card Reader** 1 x Smart Card Reader  
**CCD Camera** 1 x 2.0 megapixel CCD camera  
**Expansion Bus** 1 x PCIe Mini-card (USB 2.0 or PCIe interface)

## Switches

**Function Keys** 8 x programmable function keys (F1 – F8)  
**Warning LED** Programmable for function key  
**Power Button** On/Off  
**LED Indicator** 3 x LEDs on front panel (Battery, Power, Storage)

## Ethernet

**Chipset** 1 x Realtek 8111B PCI-Express Gigabit LAN

## Audio

**Codec/Interface** HDA Codec, Mic-in/Line-out  
Internal 2 x speakers (1.5W), Microphone built-in

## LCD Display

**Size/Type** 15" TFT Color LCD/1 Channel 18 bit LVDS  
**Max. Resolution** 1024 x 768, XGA  
**Max. Colors** 262,144 colors  
**Luminance** 350 cd/m<sup>2</sup>  
**View Angle** 120  
**Contrast Ratio** 500 : 1  
**LCD/Backlight MTBF** 50,000 hours (Temperature 20°C ~ 35°C)

## Touch Screen

**Type** Analog Resistive  
**Light Transmission** 80%  
**Controller Interface** USB Interface  
**Power Consumption** 200mA/5V  
**Driver Support** Windows/Linux

## Storage

**HDD/Type** 1 x 2.5" SATA HDD bay  
**CD-ROM** 1 x Slim Type DVD Combo (M1525/T7400-B23 only)  
**USB DOM** 4G/8G (Optional)

## Power Adapter

**AC Input** 90 ~ 264VAC (Full Range)  
**Frequency** 47 ~ 63Hz  
**DC Output** 100W (Max.), 5A/20VDC  
**Input Current (rms)** 1.25A/115VAC, 0.5A/230VAC (Max.)  
**Battery** 7200mAh Li-battery pack built-in

## Power Consumption

**100% CPU Loading (excl. LCD & I/O)**  
Intel Celeron M CPU 423 1.06GHz (18.6W)  
Intel Core 2 CPU T7400 2.16GHz (57.4W)

## Mechanical & Environmental

**Operating Temp.** 0 ~ 40°C (32 ~ 104°F)  
**Operating Humidity** 5 ~ 95% (non-condensing)  
**Dimensions (W x D x H)** 409 x 58 x 341 mm (16.1" x 2.28" x 13.43")  
**Vibration** 17 to 500Hz, 1G PTP  
**Shock** 10G/peak (11m sec)  
**Construction** Plastic  
**Mounting** VESA-75/100 compatible  
**IP Rating** Front panel: IP54 splashproof, dust resistant  
**Certification** UL60601-1/EN60601-1-1/EN60601-1-2/RoHS