



M1525

15" Intel® Core™ 2 Duo Panel PC for Mobile Medical Station



Features

- For eHealthcare or Bedside Entertainment System Application
- UL60601-1/EN60601-1/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/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, FSB667/533MHz
Graphics Controller	Intel® GMA950 Video Controller, up to 192MB shared memory
Memory	1GB DDR2 SO-DIMM Memory installed, up to 4GB Dual Channel DDR2 SDRAM 667/533/400MHz
Chipset	Intel® 945GME + Intel® ICH7M
Storage	160GB 2.5" SATA HDD installed
USB DOM	4G/8G (Optional)

Peripherals and Devices

Serial Port	4 x isolated RS-232 ports
USB Port	4 x USB 2.0 ports
KB/MS	1 x PS2 Keyboard and Mouse
Ethernet	1 x Realtek 8111B PCI-Express Gigabit Ethernet Controller
VGA	1 x DB-15
DVI	1 x DVI
RJ11	1 x RJ-11 for Input, 1 x RJ-11 for output
Wi-Fi	1 x Wireless LAN 802.11b/g/n
Bluetooth	Integrated Bluetooth module by USB interface
Smart Card Reader	Integrated Smart Card Reader
Camera	Integrated 2.0 megapixel CMOS camera
Expansion Bus	1 x PCIe Mini-card (USB 2.0 or PCIe interface)

Button & Indicator

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)

Audio

Codec/Interface	HDA Codec, Mic-in/Line-out
	Internal 2 x speakers (1.5W), Microphone 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)
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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/m² (typ.)
Viewing 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% (typ.)
Controller Interface	USB Interface

Power Supply

Adapter In	100 ~ 240VAC (Full Range)
Adapter Out	20VDC, 5A, 100W (Max.)
Battery Type	Li-battery pack
Battery Capacity	7200mAh 9-cell
Battery Operating Time	3.5 hours

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/EN60601-1-2/RoHS

Ordering Information

M1525/423-B22	15" Intel® Celeron® M 423 medical panel PC
M1525/T7400-B23	15" Intel® Core™ 2 Duo T7400 medical panel PC
ARM-934	Desktop LCD monitor stand (VESA-75/100)
ARM-125M	Wall-mount hospital arm (VESA-75/100) L=1644 mm
ARM-225M	Wall-mount hospital arm (VESA-75) L=1684 mm
ARM-127M	Ceiling-mount hospital arm (VESA-75/100) L=1644 mm