Medical Grade All-in-One PC

2014/01/14

Key Features

- 21.5" wide full HD 1920x1080 LCD w/ LED backlight

- Intel Core i5 2.3G processor

- Variable speed low noise fan design

- HDD anti-vibration design

- Front full flat with **IP65** protection

- Anti-bacteria plastic housing

- Rear cover to prevent cable drop off

- **Medical 60601-1** 3rd edition certification
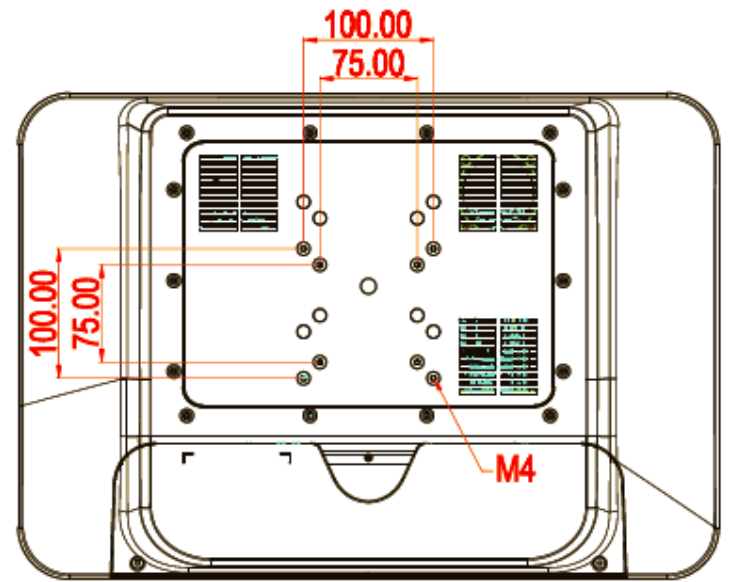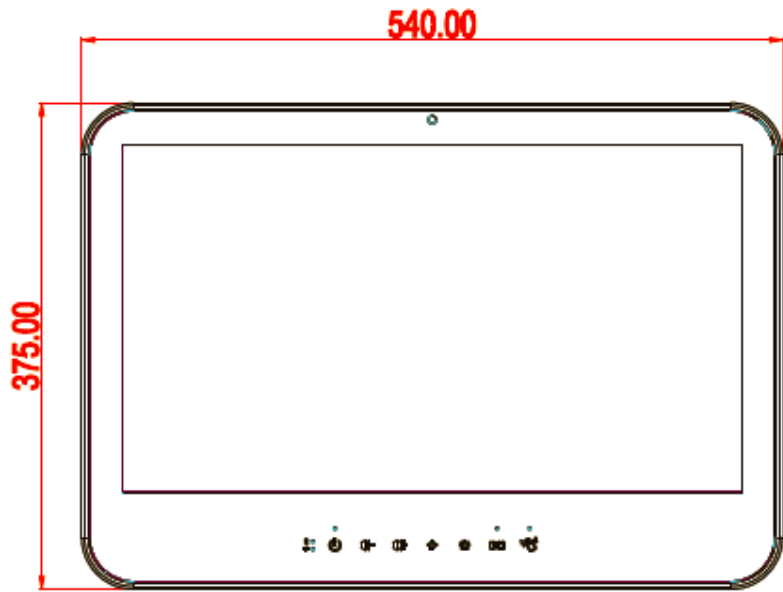
Outlook

Specification

Main System	
CPU	. Intel Core i5-2410M 2.3GHz (dual core, 3MB cache)
	. Support PGA988 socket, 35W TDP
Chipset	Intel BD82HM65 PCH
Graphics	Core i5-2410M: Intel HD Graphics HD 3000
Memory	8GB maximum, x 2 DDR3 SODIMM, 1066/1333MHz, 2GB/4GB/8GB
Serial ATA	SATA2 x 2, 300MB/s transfer rate
USB	x 7 (socket), USB 2.0 (x 4 external, x 3 internal)
COM	x 6 (x 2 external, x 4 internal)
Audio	Realtek ALC262 audio codec, 2+2 watts amplifier
LAN	Marvell 88E8071 Gigabit Ethernet x 2
BIOS	. AMI BIOS, 4M EEPROM
	. RTC wake up / Wake on LAN / Power on after power failure / PnP / ACPI
Speaker	1.5 watts x 2 (front bottom)
Power	
Power adaptor	External, 100 watts, 90~264V AC in, 12V DC out, medical grade, 1.2m DC cable
Power consumption	75 watts (typical, without any add-ons)

Specification

LCD Panel	
Size	21.5" wide 16:9
Resolution	Full HD 1920 x 1080
Brightness	250 nits
Contrast	41.66736111
Color numbers	16.7M (6-bit x 3 + Hi FRC)
Viewing angle	170 (H) / 160 (V)
Response time	5 ms (R + F)
Backlight	LED, 30,000 hours life time
I/O & Control Keys	
USB	USB 2.0 x 4
COM	DB-9 x 2 (RS232, RS232/422/485)
LAN	RJ-45 x 2, Gigabit
Video-out	DVI-I x 1
Audio	Line-out, Microphone-in (3.5 mm phone-jack)
Power input	DC-in x 1, 6V~32V
Control keys	. Front side, projected capacitive type
	. Power on/off, Brightness, Audio volume, Backlight on/off, Touch on/off

Specification

Mechanical & Environmental	
Housing	. Front: Full flat design / Touch (standard), Glass (optional)
	. Rear: Plastic + I/O cover w/ antibacterial treatment
Color	. Housing: White . Control key icons: Grey
IP rating	IP65 – front side
Cooling	Variable speed smart fan design, < 30 dB (typical)
Mounting	VESA 75 x 75 / 100 x 100 mm
Kensington lock	Yes, x 1 at bottom
Dimension	540 x 375 x 78 mm (W x H x D, w/o stand)
Weight (net)	6.5 Kg (approximate, w/o power adaptor)
Temperature	. Operating – 0°C~40°C . Storage – -20°C~60°C
Humidity	Operating & storage – 10%~90%, non-condensing
Regulatory	. FCC-B, cUL, CE, VCCI
	. Medical 60601-1 3rd edition (EN 60601-1:2006, ANSI/AAMI
	ES60601-1:2005, CAN/CSA C22.2 No. 60601-1-08)

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