

## 19" Intel Core Duo Fanless Panel PC



### Features

- 19" True Fanless Panel PC
- Socket 479 Intel® Core™ Duo / Solo processors low-power platform
- Intel 945GME integrated GMA950 technology
- COM / LAN / PCMCIA / miniPCI / CF / Audio / USB interfaces
- HDD Anti-vibration mechanism
- Modulized design: Panel mount type, Open frame type and Chassis type ID design selectable
- Windows Vista compatible
- Resistive, Capacitive SAW, IR touch panel selectable



### System

<b>CPU</b>	mPGA479M socket, Supports Intel® Core™ Duo /Solo processors up to 2.0 GHz
<b>Chipset</b>	Intel® 945GME chipset + ICH7M
<b>BIOS</b>	4Mb AMI Flash BIOS
<b>VGA</b>	Intel® 945GME integrated VGA (GMA950)
<b>Audio</b>	Realtek ALC655 AC97 Audio Codec, 2+2 watts power amplifier
<b>LAN</b>	Realtek RTL8111B Gigabit Ethernet
<b>Memory</b>	Two DDR2 SODIMM socket supports up to 2GB
<b>I/O</b>	ICH7M
<b>Serial ATA</b>	SATA port with 150 MB/s transfer rate
<b>WDT</b>	1~255 seconds, software programmable

### Display and Touch

<b>Chipset</b>	945GME integrated graphics utilizing Intel® GMA950 technology
<b>Memory</b>	Up to 224MB shared with system memory
<b>LCD panel</b>	19" TFT LCD panel SXGA (1280 x 1024), 300 nits
<b>Touch screen</b>	19" Resistive, Capacitive, SAW and IR selectable

#### Display

<b>Size</b>	19"
<b>Model</b>	M190EG01 V0
<b>Resolution (pixel)</b>	SXGA (1280 x 1024)
<b>Aspect Ratio</b>	5:4
<b>Active Area (mm)</b>	376.3 x 301.1
<b>Pixel Pitch (mm)</b>	0.264
<b>Number of Colors</b>	16.7M
<b>View Angle (H/V)</b>	178 / 178
<b>Brightness (cd/m<sup>2</sup>)</b>	300
<b>Contrast Ratio</b>	1300:1
<b>Response Time (ms) (at 25°C)</b>	5 (on/off)
<b>Interface</b>	2ch LVDS
<b>Supply Voltage (V)</b>	5
<b>Backlight</b>	4 CCFL

### Touch Screen Application Consideration

Characteristics	Resistive (4 or 5 wire)	Capacitive	Surface Wave(SAW)	Infrared touch (IR)
<b>Touch Resolution</b>	4096x4096	4096x4096	4096x4096	4096x4096
<b>Stylus use possible beyond finger</b>	No Limitation, can use any stylus	Need special conductive stylus	Soft pliable stylus, like pencil eraser	No limitation, can use any stylus
<b>Glove use possible</b>	Any type glove	Only very thin latex glove	Any type glove	Any type glove
<b>Light transmittance</b>	70%-85%	90% above	92% above	100%
<b>Mohs</b>	3H	7 Mohs		

### Storage

<b>HDD</b>	2.5" SATA HDD drive bay x 1 (with anti-vibration mechanism)
<b>CF</b>	Bootable Compact Flash slot for CF type I/II storages x1

### Expansion

<b>Mini-PCI</b>	32-bit Mini-PCI socket x1
<b>PCMCIA</b>	PCMCIA Type I/II 32-bit CardBus slot x 1

### External I/O

<b>USB</b>	USB 2.0 x 4
<b>COM</b>	DB-9 x 4 (RS-232 x 3, RS-232/422/485 x 1)
<b>LAN</b>	RJ-45 x 1 (Gigabit Ethernet)
<b>KB/Mouse</b>	PS/2 Keyboard & Mouse x 1
<b>Audio</b>	Line-in, Line-out, and Mic-in audio jacks
<b>Power</b>	DC-In connector x 1
<b>Switch</b>	ATX power switch & RESET switch
<b>Indicator</b>	Power and HDD indicator (Front LED color: Power: Green / Orange: HDD accessing)
<b>DVI</b>	DVI connector x 1
<b>TV Tuner &amp; video capturer</b>	TV in x 1, S-video x 1, Composite video x 1 (Optional)

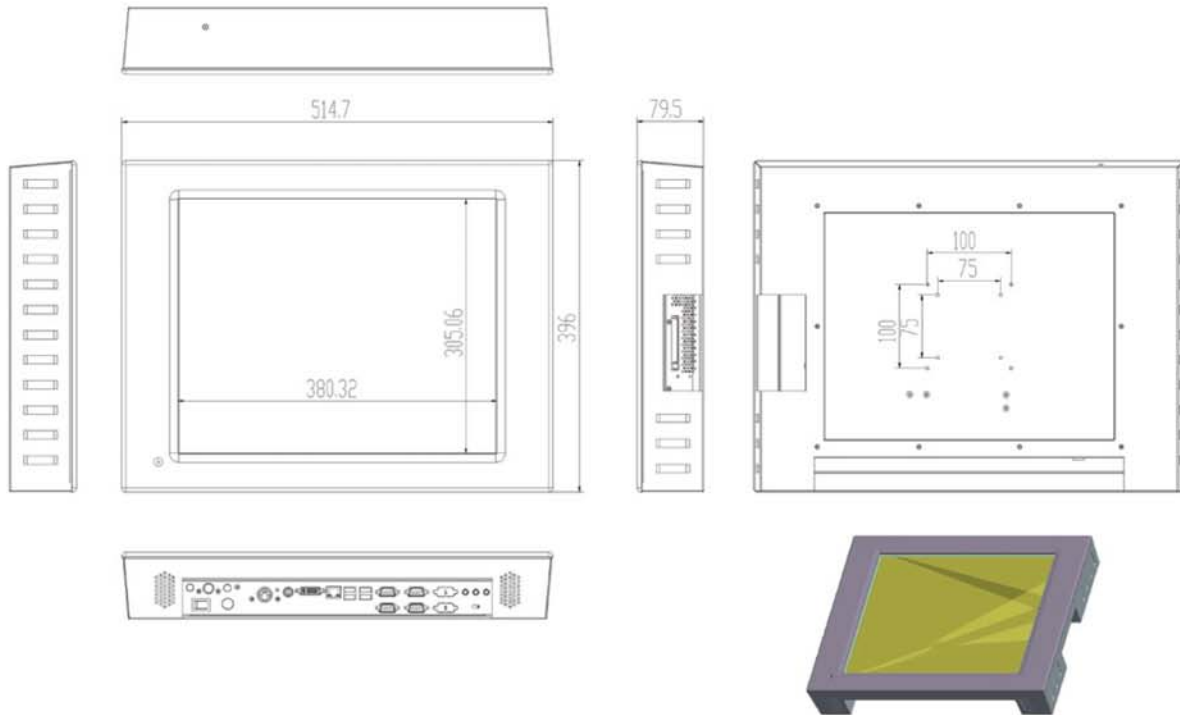
### Mechanical & Environmental

<b>ID design</b>	Panel mount type with IP65 front bezel, Open frame type, Chassis type
<b>Power Input</b>	DC12V~28V
<b>Power Adaptor</b>	AC90 ~ 264V / 47 ~ 63 Hz/ DC input 12V
<b>Operating Temperature</b>	0~40°C (fanless)
<b>Storage Temperature</b>	-20~80°C
<b>Relative Humidity</b>	10%~90%, non-condensing
<b>Dimension</b>	SAW, IR touch: 514.7x396x80mm Resistive, Capacitive touch: 514.7x396x76.5mm
<b>Weight</b>	Open frame type: 8.1Kg Panel type: 9.1Kg Chassis type: 10.2Kg
<b>Mounting</b>	VESA mount 75/100/Panel mount /Wall mount

# 19" Core Duo Fanless & Ultra Slim Panel PC

Drawing

WLP-7821-19-Chassis type



1.

Fanless Panel PC

2.

Medical All-in-one Solution

3.

Engine Box

4.

All-in-one Digital Signage Solution

5.

XPe Solution

6.

Remote Device Management (RDM)

## Fully-integrated I/O



- 1 Composit video input
- 2 Power
- 3 PS2
- 4 LAN
- 5 COM
- 6 Mic-in
- 7 Line out
- 8 S-video
- 9 DVI
- 10 USB 2.0
- 11 Line in

## Ordering information

1. WLP- 7821-19- **1 2 3 4** - CD1.66G-1G-80GB
2. WLP- 7821-19- **1 2 3 4** - CD1.86G-1G-80GB
3. WLP- 7821-19- **1 2 3 4** - CD2.0G-1G-80GB

**1** B: Panel Mount type  
C: Chassis type  
N/A: Open frame type

**2** K: Black color bezel  
S: Silver color bezel

**3** R: Resistive touch  
C: Capacitive touch  
S: SAW touch

**4** T: with touch screen  
N/A: without touch screen