

# All-in-One (Interactive) Digital Signage

55" All-in-one (Interactive) Digital Signage

Model: WCHPC5500C2D



Side I/O cover



## Features

- Compact and low noise design
- Smart fan control
- Support 1920x1080 HDTV content & 3D application
- Easy to swap PC board and option kits
- Structure by Modules
- IO Connectors are Easily Accessed
- VGA outputs for daisy chain Solution
- Fully Support WRDM
- Vista compatible
- Intel Core 2 Dual CPU + Q965 + ICH8 Platform

## System

|               |  |
|---------------|--|
| CPU           | Intel socket 775 C2D CPU, max speed: 2.66G, max power consumption 65W<br>CPU list:<br>CORE 2 DUO 2.66G E6700 / CORE 2 DUO 2.13G E6400<br>CORE 2 DUO 2.6G E4700 / CORE 2 DUO 1.8G E4300<br>CORE 2 DUO 2.4G E6600 / Celeron 800MHz 440 |
| FSB           | 1066MHz / 800MHz / 533MHz  |
| Chipset       | Intel® Q965 chipset:<br>•North bridge: Intel Q965 Graphic Memory Controller Hub (GMCH) (25W)<br>•South bridge: Intel ICH8 I/O Controller Hub (5W)  |
| VGA           | Intel Q965 integrated graphic subsystem (GMA3000)  |
| Audio         | Realtek ALC268 AC97 Audio Codec 2+2 channels   |
| LAN           | Realtek 8111B 10/100/1000 Mbps LAN x 2   |
| Memory        | Two 240-pin DDRII 533/667/800 DIMM sockets, dual channels, supports max. 4 GB system memory  |
| I/O           | Intel ICH8 I/O controller Hub  |
| Serial Port   | RS232 x 1 / RS232, 422, 485 x 1  |
| Parallel port | Compatible with IBM parallel port x 1<br>Support Enhanced Parallel Port(EPP) – Compatible with IEEE 1284 specification<br>Support Extended Capabilities Port(ECP) – Compatible with IEEE 1284 specification                          |
| IEEE1394a     | firewire port x 1 (design in, option, supports provisions of IEEE 1394-1995 Standard for High Performance Serial Bus 1.0 and 1394a-2000)   |
| USB           | USB 2.0 x 8 (external x 4 on mother board, internal x 4 on connection board)   |
| DVI           | On DVI board, DVI-D port x 2 (one link with AD board, one to computer I/O side)  |
| VGA           | On connection board, VGA out x 1   |
| GPIO          | * Support 8 General Purpose Input (GPI), TTL level<br>* Support 8 General Purpose Output (GPO), TTL level<br>* 5V<br>* internal pin heads on mother board * External connector on computer module (option)                           |

WDT 1~252 minutes, software programmable

## Display

|                            |             |
|----------------------------|-------------|
| Resolution (pixel)         | 1920x1080   |
| Luminance(nits)            | 500         |
| View Angle (U/D/R/L,CR>20) | 88/88/88/88 |
| Contrast Ratio             | 4000:1      |

## Touch

|                     |   |
|---------------------|---|
| Type                | Infrared rays interception detection form |
| Glove               | Yes                                       |
| Minimum Stylus Size | 8 mm                                      |
| Hardness (Mohs)     | 7   |
| Glass thickness     | 3.0(+/-0.3)mm toughened glass             |

## Storage

|     |  |
|-----|--|
| HDD | 3.5" SATAII HDD drive bay x 1, Max storage size: 1TB<br>With tray for easy replacement |
|-----|--|

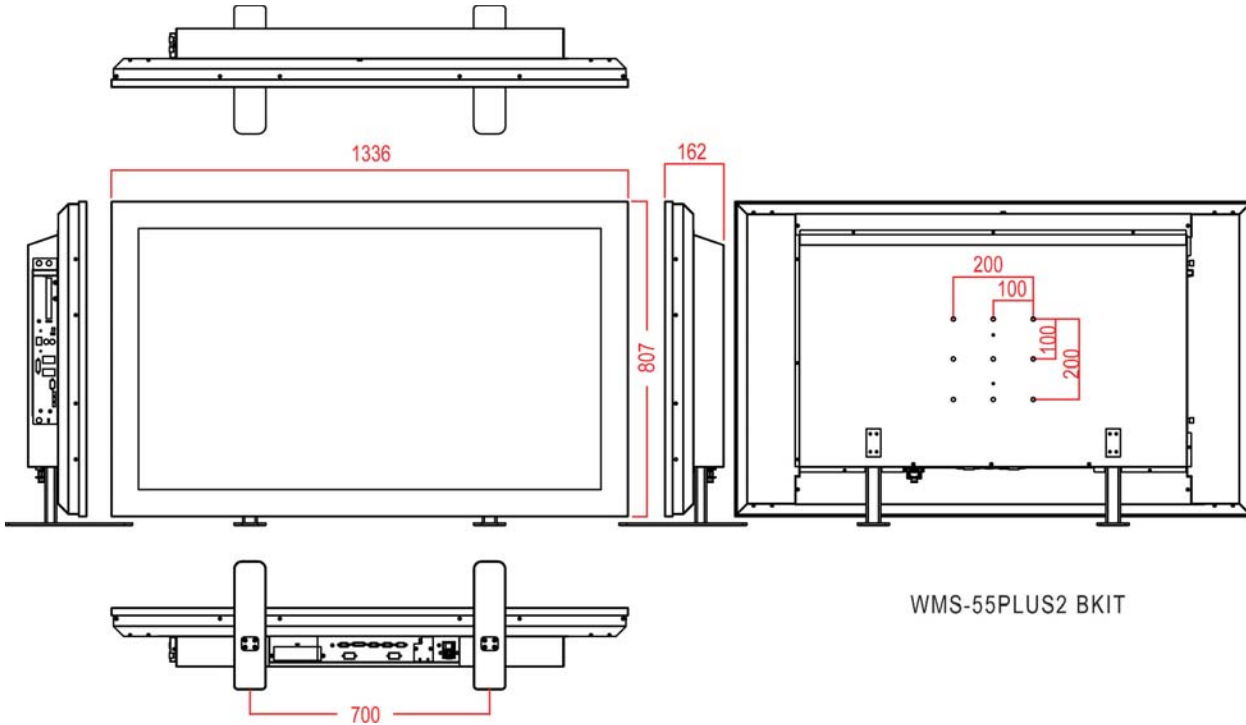
## Expansion

|                |  |
|----------------|--|
| PCIe mini card | Single 52-pin card-edge type, x1                                   |
| PCIe x 16      | Compatible to the PCI Express* Base Specification revision 1.1a x1 |
| PCIe x1        | Compatible to the PCI Express* Base Specification revision 1.1a x1 |

## External I/O on computer side

|                |                                       |
|----------------|---------------------------------------|
| USB            | USB 2.0 x 4                           |
| COM            | RS232 x 1                             |
| LAN            | RJ-45 x 2 (Gigabit Ethernet)          |
| KB/Mouse       | PS/2 Keyboard x1 & Mouse x 1          |
| Audio          | Line-in, Mic-in, Line out audio jacks |
| DVI-D          | output x 1                            |
| IEEE1394a      | Fire wire *1 (option)                 |
| GPIO connector | GPIO connector                        |

## Mechanical Drawing:



### Power

**Power Input** Direct AC connector, ATX power supply to computer board, 100~240VAC, 50/60Hz, 3.6A

**Power consumption** Display only: 249W, 3A With computer module: 320W, 3.6A

**Power Switch** IEC320 type, at AD board I/O side, x1

**Reset Switch** Huafeng Electronic HF606, at computer I/O side, x1

**LED status indicator** Power and HDD indicator at computer board external I/O side (LED colors: Power: Green / Orange: HDD accessing)

### External I/O on button

**VGA output x 1**

**VGA input x 2**

**DVI-I input x1**

**RS232 x 1**

### Mechanical and Environment

**Color** SECC, black (Panton no. 8238)

**Operating Temperature:** 0°C ~ 40°C

**Storage Temperature** -20°C ~ 60°C

**Operating Humidity** 10 ~ 90%

**Storage Humidity** 10 ~ 90%

**Noise level under 38 dB**

| Dimensions and Weights                                 |              |                 |
|--|--------------|-----------------|
| Description  | WCHPC5500C2D | WCHPC5500C2D-IT |
| Weight (without stand)                                 | 51.3         | 61.2            |
| Weight (with stand) kg                                 | 53.3         | 63.2            |
| Dimensions (without stand)<br>mm (W) x mm (H) x mm (D) | 1336x807x145 | 1336x807x162    |
| Dimensions (with stand)<br>mm (W) x mm (H) x mm (D)    | 1336x820x145 | 1336x820x162    |

## Ordering Information

1. WCHPC5500C2D - (bezel + black body)-C2D2.6G CPU-1G RAM-80G HDD
2. WCHPC5500C2D-IT - (bezel + black body + IR touch)-C2D2.6G CPU-1G RAM-80G HDD)