## All-in-One (Interactive) Digital Signage

### Model: WC HPC 5500C 2D

#### 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
- **Chipset**: Intel® Q965 chipset:
  - North bridge: Intel Q965 Graphic Memory Controller Hub (GMCH) (25W)
  - South bridge: Intel ICH8 I/O Controller Hub (5W)
- **VGA**: Intel Q965 integrated graphic subsystem (GMA3000)
- **Audio**: Realtek ALC268 AC 97 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
  - 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
  - * Support 8 General Purpose Output (GPO), TTL level
  - * 5V
  - * 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
- **With tray for easy replacement**

#### Expansion
- **PCIe mini card**: Single 52-pin card-edge type, x1
- **PCIe x1**: Compatible to the PCI Express® Base Specification revision 1.1a x1
- **PCIe x16**: 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 x 1 & Mouse x 1
- **Audio**: Line-in, Mic-in, Line out audio jacks output x 1
- **DVI-D**: Fire wire *1 (option)
- **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)

**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**

<table>
<thead>
<tr>
<th>Description</th>
<th>WCHPC 5500C 2D</th>
<th>WCHPC 5500C 2D-IT</th>
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</thead>
<tbody>
<tr>
<td>Weight (without stand) kg</td>
<td>51.3</td>
<td>61.2</td>
</tr>
<tr>
<td>Weight (with stand) kg</td>
<td>53.3</td>
<td>63.2</td>
</tr>
<tr>
<td>Dimensions (without stand) mm (W) x mm (H) x mm (D)</td>
<td>1336x807x145</td>
<td>1336x807x162</td>
</tr>
<tr>
<td>Dimensions (with stand) mm (W) x mm (H) x mm (D)</td>
<td>1336x820x145</td>
<td>1336x820x162</td>
</tr>
</tbody>
</table>

**External I/O on button**
- VGA output x 1
- VGA input x 2
- DVI-I input x 1
- RS232 x 1

**Ordering Information**
1. WCHPC 5500C 2D - (bezel + black body)-C2D2.6G CPU-1G RAM-80G HDD
2. WCHPC 5500C 2D-IT - (bezel + black body + IR touch)-C2D2.6G CPU-1G RAM-80G HDD