

# WPE796

## Rugged Intel Core i CPU Signage Engine Box



### Features

- Powerful Digital Signage Engine Box, support 1920x1080 HDTV content & 3D application
- Compact and low noise design
- 1U rack design
- Noise level under 37dB at 25°C., 45dB at 40°C
- Intel Q57 PCH Platform
- Intel Core i3/i5/i7 CPU support (95W. Max)
- One Giga LAN
- One PCI-E x 16 Slot for expansion
- One PCI-E x 4 Slot for expansion
- One Mini PCIe Card extension slot for optional wireless LAN 11 a/b/g/n
- Mounting solution: 19" Rack mount / Wall mount
- Windows® Win 7 embedded compatible
- Kensington lock hole
- RoHS compliance

### System

<b>CPU</b>	Intel® Socket LGA 1156, Support Intel Core i3/i5/i7 <b>CPU listing:</b> CORE i7-860, 2.80G, 8M Cache, (w/o integrated graphic) CORE i5-750, 2.66G, 8M Cache, (w/o integrated graphic) CORE i5-660, 3.33G, 4M Cache CORE i5-650, 3.2G, 4M Cache CORE i3-540, 3.06G, 4M Cache Pentium G6950, 2.8G, 3M cache
<b>System bus</b>	2.5GT/s
<b>Chipset</b>	Intel® Q57 Express PCH
<b>Audio</b>	Realtek ALC268 HD Audio Codec
<b>LAN</b>	Marvell 88E8071 Giga LAN x 1
<b>Memory</b>	Two DDR3 1066/1333 DIMM sockets (dual channels), supports max. 8 GB
<b>I/O</b>	Winbond W83267UHG
<b>Serial ATA</b>	SATA II controller (3.0Gb/sec) Port x 1
<b>USB</b>	5 USB 3.0 port (I/O side x 3, internal pin head x 2)
<b>Serial COM</b>	1 RS-232/422/485 at I/O side
<b>Mini PCIe</b>	One Mini PCI express slot
<b>WDT</b>	1~255 second/minutes, software programmable

### Storage

**HDD** SATA II 2.5" HDD drive bay x 1,

### Expansion slots

**PCIe mini card** Single 52-pin card-edge type, x1  
**PCI-E x16** Compatible to the PCI Express\* Base Specification revision 2.0 x1  
**PCI-E x4** Compatible to the PCI Express\* Base Specification revision 2.0 x1

### External I/O

**USB** USB 2.0 external x 3  
**LAN** RJ-45 x 1 (Gigabit Ethernet)  
**COM** DB-9 x 1 (RS-232/422/485)  
**Audio** Mic-in, Line-out 3.5 mm audio jacks  
**Video** DVI-I x 1

### Power

**Power input** Direct AC connector, 90~264VAC, 50/60Hz  
**Power switch** Power switch at front side x 1  
**Reset switch** Reset switch at front side x 1  
**LED status indicator** Power/HDD LED indicator at front side x 1

### Mechanical & Environmental

**Mainbody** SECC, black (Panton no. 8238)  
**Operating Temperature:** 0°C ~ 40°C  
**Storage Temperature** -20°C ~ 70°C  
**Operating Humidity** 10 ~ 90%, non-condensing  
**Storage Humidity** 10 ~ 90%, non-condensing  
**Net Dimensions** 11" X 15" X 1.75"(1U)  
**Net Weight** 5 Kg  
**Noise Level** Noise level under 37dB at 25°C., 45dB at 40°C  
**Kensington lock hole**

### Fully-integrated I/O



- ① Power Switch
- ② Reset Switch

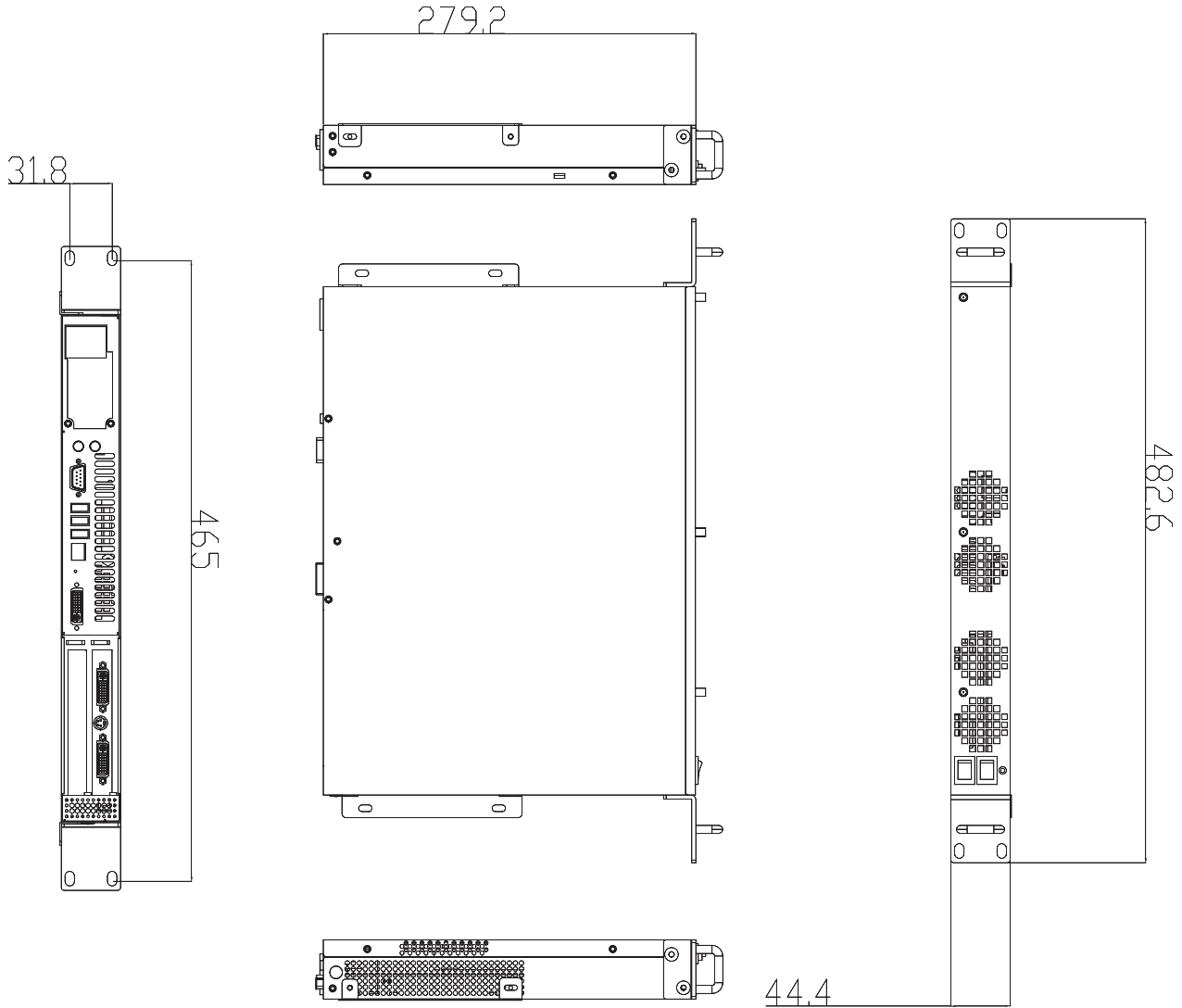


- ③ AC input
- ④ Mic-in, Line-out
- ⑤ COM1:RS232
- ⑥ USB 2.0
- ⑦ RJ45(Gigabit LAN)
- ⑧ DVI-I
- ⑨ PCI-E x 16 slot
- ⑩ PCI-E x 4 slot

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### Drawing



### Option Features

1. mini PCIe, 11 a/b/g/n dual band
2. 19" rack mount kit x 1 (Ear type)
3. ATI HD5450 graphic card
4. ATI V4800 graphic card

### Regulatory

FCC-B, CE (EMC), VCCI, UL/cUL

### Ordering information

- WPE-796 -Core i5-660 3.33G Hz, 2GB RAM, 160GB HDD
- WPE-796 -Core i5-650 3.2G Hz, 2GB RAM, 160GB HDD
- WPE-796 -Core i3-540 3.06G Hz, 2GB RAM, 160GB HDD