

# 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

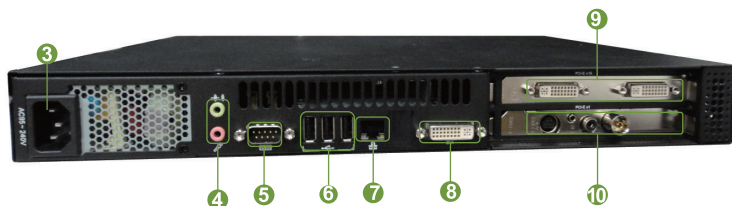
### Mechanical & Environmental

**Mainbody** SECC, black (Pantone 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

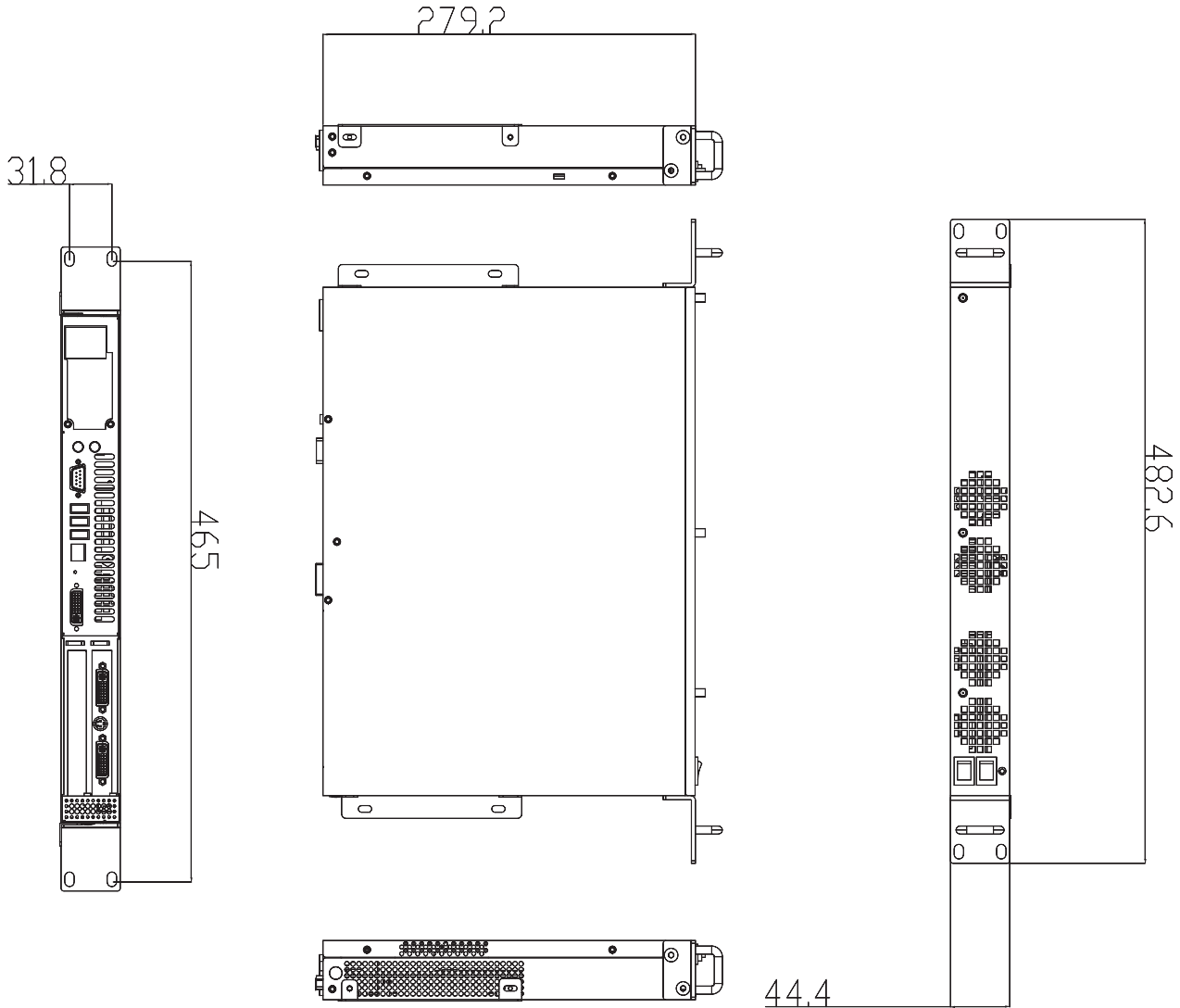


- 3 AC input
- 4 Mic-in, Line-out
- 5 COM1:RS232
- 6 USB 2.0
- 7 RJ45(Gigabit LAN)
- 8 DVI-I
- 9 PCI-E x 16 slot
- 10 PCI-E x 4 slot

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## Rugged Intel Core i CPU Signage Engine Box

### Drawing



### Option Features

1. Change RAM from 2G to 4G
2. Change HDD from 320G to 500G
3. Add 19" rack mount bracket kit
4. ATI HD5450 graphics card (1G)
5. Wifi 802.11 a/b/g/n w/ external antenna x 2 (2T2R)
6. Wifi 802.11 a/b/g/n w/ external antenna x 3 (MIMO 3T3R)

### Customization

- TPM module

### Regulatory

FCC-B CE (EMC) VCCI UL/cUL

### Ordering information

- WPE-796 -Core i5-660 3.33G Hz, 2GB RAM,320GB HDD
- WPE-796 -Core i5-650 3.2G Hz, 2GB RAM, 320GB HDD
- WPE-796 -Core i3-540 3.06G Hz, 2GB RAM, 320GB HDD



### Antenna Feature

This triple-stream (3x3), dual-band, 802.11a/b/g/n product combines the best speed (up to 450 Mbps)