

## Mission Critical Computers in all sizes



## 3D Real-time Display Solutions



compact, powerful and reliable 24x7  
for data display, process control,  
clients, servers and more



for Android & iPhone

**Economic!**

Complete solutions for 2D and 3D data display and digital signage

2D/3D Real-time Data Display

Fast data-screen layout

Designed for 24x7 operation

Latest Advanced Processors

Works with 2D and 3D Screens

Back-fit any HDMI screen

Video-wall driver included

Remote hardware monitoring

Server for large networks

Unlimited network scalability

Direct Autostereoscopic output

Long service life

Reduced support costs



Complex data display

**WQXGA**  
2560x1600

**FullHD**  
1920x1080

# Digital advertising

CeBit most innovative device 2015

**24x7**  
Lab  
Certified

## Unique animated 3D display technology



3D, Holographic & FHD displays

### Plug in the tiny ePC-Stick to convert your screens into your own TV channel!

Offering a complete solution enabling full control of what's shown on your screens or even 3D and holographic displays. You'll be amazed to see how easy it is to get your advertising up and running with stunning 3D effects on any screen, projector, and even the latest 3D glasses-free and holographic displays, and at an incredibly affordable cost!

### ViewPoint "no-hang" Digital Signage

Using efficient C++ code refined over years of intense use at major international airports, all ePCs are designed for failure-proof 24x7 operation. The ePC Stick, manufactured by Intel Corp., comes fully configured with the latest Viva3D software for 2D & 3D data-controlled displays with full remote control.



### For single screens, and video walls...

The ePC Stick is so small you can just plug it into the HDMI connector of the screen. At 38 grams it doesn't need any mouting at all, or hardly any space! You can also synchronise them for video wall operation.

### Unlimited by Templates

Gone are the restrictions of 2D templates, welcome to the freedom of GPU-powered graphics where limitations on complexity in 2D and 3D no longer exist: large library of ready-to-use 2D and 3D templates available.



Secure network with data encryption



### SolidState eMMC Drive...

An ultra fast eMMC interface with zero mechanical wear provides MTBFs of 2 million hours operation, ideal for 24x7 embedded applications.

### Cool Innovation

With fully solidstate electronics, the ePC Stick runs cool and silently 24x7, with emissive thermal cooling for a long-life.

### Sophisticated Software

Create and manage live-data controlled content in one single application with easy-to-use WYSIWYG 2D and 3D layout editors. Create animated 3D-graphics presentations instantly, with massive 3D models and live-data content, and all without complex training.

### High connectivity

WiFi, LAN\*, Bluetooth, USB, HDMI and VGA\* ports makes connecting the ePC Stick easy. \*Using adaptor



#### In the box:

- ePC Stick embedded computer
- Connection adaptors
- CDROM with installation and demo software
- User manual & Read Me card
- 2-year warranty, 5-year extension under tech support
- Options: Custom branding, VESA bracket, POE



### Audience Metrics

Add a camera for remote audience monitoring.



Specification - ePC451-STK series

CPU: Intel Atom Z3735F Quadcore 1.8GHz

GPU: Intel 6th Gen HD Graphics core

Chipset: Intel Z3735F Bay Trail

DDR3 1333 Mhz 2GB installed

Intel 7.1 Ch. high-def. audio via HDMI

Gigabit LAN Adaptor

USB and HDMI connectors with adaptors

110.9 x 38 x 9.8 mm (L x W x H)

Power adaptor

4-10 watts operational, 0.5 watt standby\*



LVD: EN 60950: 1992+A1+A2+A3+A4+A11  
EMC: EN 55022-1994+A1:1995+A2: 1997, Class B  
EN 55024:1998, en 61000-3-2:3:1995  
R&TTE: TBR21 edition 1 (January 1998)



ePC, ePC-Stick, ViewPoint-3D & Viva3D are trademarks of Sentel-Advance, Ltd 2012-15

Model: EPC451.A4.4GB.64S



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2D and 3D data display  
and digital signage

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Fast data-screen layout

Designed for 24x7 operation

Latest Advanced Processors

Works with 2D and 3D Screens

Direct Autostereoscopic output

Back-fit TFT/ Rack-mount

Built-in matrix controller

Remote hardware monitoring

Server for large networks

Unlimited network scalability

Long service life

Reduced support costs



Complex data display



For more information: email  
info@sentel-advance.com

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LFEP20131122.07

## Compact embedded APU computer unit



Model: EPC451.A4.4GB.64S  
(\*optional display panel)

### Blazing performance in your hand...

**Up to 856 GFLOPS provides heavy-duty performance for 24x7 applications**

With 128-512 compute units providing 172-856 GFLOPs performance, and average power as low as 55W, the solid-state ePC-A10 enables compute intensive Quad HD video and animated graphics with a stunning visual experiences without sacrificing power efficiency. The ePC is small and rugged, designed for 24x7 operation and able to drive three independent monitors simultaneously. It provides



### Failure-proof "no-hang"...

Designed for failure-proof operation 24x7.

### For small or big screens...

The ePC has been designed to be small enough to hide away behind any flat screen, from 12" and up, as can be seen in the image shown. Using ViewPoint-3D software, ePCs can drive large video walls.



Rear-mounted on  
17" Screen

### Energy Innovation

Using an efficient switch-mode PSU, the ePC runs cool, consuming from just 4 to 80 watts. Low power means long-life and low electric bills.

### Cool Innovation

With solidstate electronics, the ePC runs silently 24x7, with Intelligent forced-air cooling activated only when the ambient temperature rises above 38°C.



- ..... intelligent heat extraction\*
- ..... APU quad-core processor
- ..... GPU with advanced 3D
- ..... power control
- ..... S-ATA II
- ..... connector panel

#### Specification - ePC A4-A10-series

APU: AMD 64-bit Quad-core 2.5 - 4.2 GHz  
GPU: HD6670D - HD6410D GPU  
Chipset: AMD A88X + Wi-Fi a/b/g/n/ac  
2 x DDR3 1866/2400 Mhz (Max 64GB)  
4 x SATA ports (6.0 Gb/s) + RAID 0-10  
Realtek ALC892 2-7.1 Ch. high-def. audio  
Realtek Gigabit LAN Controller  
PS2 x 1, USB x 6, S/PDIF x 1 connectors  
4 x USB 3.0 high-speed ports  
VGA, HDMI & DVI-D for 3 indep. monitors  
215 x 210 x 45mm (L x W x H)  
110/220 VAC, 50-60Hz  
80 watts ave operational, 4 watt standby\*



- XVGA
- DVI-D
- HDMI
- USB 3.0 x 4
- LAN
- PS2 x 2
- Audio

#### In the box:

- ePC embedded computer unit
- 110/220 VAC Power adapter & IEC mains cable
- CDROM with installation and demo software
- User manual & Read Me card
- 2-year warranty, 5-year extension under tech support
- Options: Custom branding, VESA bracket, POE



### Audience Metrics

Add a camera  
for remote  
audience  
monitoring.



LVD: EN 60950: 1992+A1+A2+A3+A4+A11  
EMC: EN 55022:1994+A1:1995+A2: 1997, Class B  
EN 55024:1998, en 61000-3-2:3:1995  
R&TTE: TBR21 edition 1 (January 1998)

Model: EPC883.A10.4GB.64S



Complete solutions for  
2D and 3D data display  
and digital signage

2D/3D Real-time Data Display

WYSIWYG 2D & 3D layout tools

Designed for 24x7 operation

Advanced 12-Core Processor

For 2D and 3D Screens

Direct Autostereoscopic output

Instant Stereo to 3D + CG mix

Live stereo camera 3D mixing

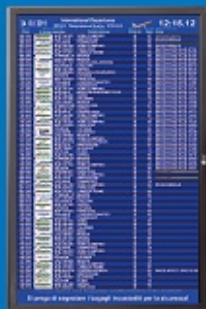
Built-in video wall controller

Remote server network control

Unlimited network scalability

Full remote monitoring & reporting

Reduced management costs



Complex data display



Support varies between models.

For more information: email  
info@sentel-advance.com

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OWNTV Group. All other marks acknowledged.  
LFEP20131122.05

## 12-core multi-UHD display system



Model: EPC883.A10.4GB.64S



**3 x Independent  
Screens**

Tough steel case providing maximum  
ventilation and protection.

Under 110 watts energy consumption\*

### Blazing Performance across Multiple Displays 24x7

**Up to 856 GFLOPS provides full performance across 3 independent FHD screens**

With 384-512 compute units providing 700-856 GFLOPs performance, and average power as low as 55W, the solid-state ePC-A10 enables compute intensive Quad HD video and animated graphics with a stunning visual experiences without sacrificing power efficiency. The ePC is small and rugged, designed for 24x7 operation and able to drive 4K autostereoscopic or three independent monitors simultaneously. It provides reliable performance with a 10-year support guarantee at an economic



### Triple Monitor Support & UHD

The ePC-A10 can drive up to three independent monitors in both 2D and 3D modes at Full-HD resolution, or dual displays in UHD 4K. The ePC's 12-core architecture easily maintains full performance across multiple screens.

### Failure-proof "no-hang"...

Designed for 24x7 failure-proof operation.

### Energy Innovation

Using an efficient switch-mode PSU, the ePC runs cool, consuming from just 4 to 110 watts. Low power means long-life and lower electricity costs.

### Instant 3D conversion + CG



3D Conversion to Autostereoscopic  
& 2D+Depth with 3D graphics

### Cool Innovation

With solidstate electronics, the DSP runs silently 24x7, with Intelligent forced-air cooling activated only when the ambient temperature rises above 38°C.

#### Specification - ePC A4-A10-series

APU: AMD 64-bit Quad-core 2.5 - 4.2 GHz  
GPU: HD8670D - HD8410D - R7 GPU  
Chipset: AMD A88X  
2 x DDR3 1866/2400 Mhz (Max 64GB)  
8 x SATA ports (6.0 Gb/s) + RAID 0-10  
Realtek ALC887 8-Ch. high-def. audio  
Realtek Gigabit LAN Controller  
PS2 x 1, USB x 6, S/PDIF x 1 connectors  
4 x USB 3.0 high-speed ports  
VGA, HDMI & DVI-D for 3 indep. monitors  
360 x 220 x 80mm (L x W x H)  
110/220 VAC, 50-60Hz  
110 watts ave operational, 4 watt standby\*



#### In the box:

- ePC embedded computer unit
- 110/220 VAC IEC mains cable
- Download details for installation & demo software
- User manual & Read Me card
- 2-year warranty, 5-year extension under tech support
- Options: Custom branding, VESA bracket, POE



### CCTV Audience Metrics

Add a camera for remote  
audience monitoring.



LVD: EN 60950; 1992+A1+A2+A3+A4+A11  
EMC: EN 55022-1994+A1-1995+A2; 1997, Class B  
EN 55024:1998, en 61000-3-2-3:1995  
R&TTE: TBR21 edition 1 (January 1998)

ePC rear-mounted on  
small 17" Screen



### SolidState Drive...

A high-performance SATA-III drive with zero mechanical wear support MTBFs of 2 million hours of fast & reliable performance.



### Viva3D Advanced Software

Create and manage live-data animated content in one single application with a WYSIWYG 2D and full 3D editor. Create 3D-animations without expert training with live-data content! Full support is provided.

XVGA LAN  
DVI-D PS2 x 2  
HDMI Audio  
USB 3.0 x 4

Model: EPC991.3DS.8GB.120S



Complete solutions for 2D and 3D data display and digital signage

2D/3D Real-time Data Display

WYSIWYG 2D & 3D layout tools

Designed for 24x7 operation

Advanced 12-Core Processor

For 2D and 3D Screens

Direct Autostereoscopic output

Instant Stereo to 3D + CG mix

Live stereo camera 3D mixing

Built-in video wall controller

Remote server network control

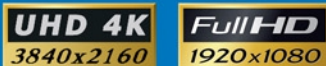
Unlimited network scalability

Full remote monitoring & reporting

Reduced management costs



Complex data displays



Support varies between models.

For more information: email [info@sentel-advance.com](mailto:info@sentel-advance.com)

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## 4+11 Core triple-UHD 4K display unit



Direct 3D rendering in real-time



3 x Independent Screens

Tough steel case providing maximum ventilation, mechanical & EMI protection. Average 90 watts energy consumption\*

## Blazing Performance across Multiple Displays 24x7

**Up to 1.76 TFLOPS provides full performance across 3 independent UHD screens**

With 11 compute units 704 stream processors, and average power as low as 65W, the solid-state ePC-991 enables compute intensive 4K UHD video and animated 3D graphics with stunning visual content without sacrificing power efficiency. The ePC is small and rugged, designed for 24x7 operation and able to drive 4K autostereoscopic or several independent monitors simultaneously. It provides reliable performance with a 10-year support guarantee at an affordable cost.



### Triple Monitor Support & UHD

The ePC-A10 can drive up to three independent monitors in both 2D and 3D modes at Full-HD resolution, or dual displays in UHD 4K. The ePC's 12-core architecture easily maintains full performance across multiple screens.

### Failure-proof "no-hang"...

Designed for 24x7 failure-proof operation.

### Energy Innovation

Using an efficient switch-mode PSU, the ePC runs cool, consuming from just 4 to 110 watts. Low power means long-life and lower electricity costs.

### Instant Autostereo + CG mix



Real-time Autostereoscopic output Multi-view & 2D+Depth + 3D CG

### Cool Innovation

With solidstate electronics, the ePC runs silently 24x7. Intelligent forced-air cooling activates only when the ambient temperature rises, and still without any mechanical wear.

#### Specification - ePC-991 series

APU: Ryzen 5 2400G 64bit 4-core 3.6 GHz  
GPU: Vega 11 with 704 stream processors  
Chipset: AMD B350 AM4 Ryzen 2000  
2 x 4GB DDR4 3200 Mhz (Max 32GB)  
8 x SATA ports (6.0 Gb/s) + RAID 0-10  
Realtek Gigabit LAN Controller  
Dual-band Wifi 802.11a/b/g/n/ac  
Realtek ALC1220 8-Ch. high-def. audio  
PS2 x 1, USB x 6, S/PDIF x 1 connectors  
USB 3.0 x 2, Type-C x 1, 2.0 x 3 ports  
HDMI x 2 & Type-C for 3 indep. monitors  
300/360 x 220 x 80/99mm\* (L x W x H)  
110/220 VAC, 50-60Hz, 84W, 2W standby\*



#### In the box:

- ePC embedded computer unit
- 110/220 VAC IEC mains cable
- Download details for installation & demo software
- User manual & Read Me card
- 2-year warranty, 5-year extension under tech support
- Options: Custom branding, VESA bracket, POE



LVD: EN 60950: 1992+A1+A2+A3+A4+A11  
EMC: EN 55022-1994+A1:1995+A2: 1997, Class B  
EN 55024:1998, en 61000-3-2,3:1995  
R&TTE: TBR21 edition 1 (January 1998)



ePC rear-mounted on small 17" Screen

### Ultra M.2 SolidState Drive

A high-performance Ultra M.2 drive with zero mechanical wear support MTBFs of 1 million hours of fast & reliable performance of 6GB/s.



### Viva3D Pro Dynamic Content

Create and manage live-data animated content in one single application with a WYSIWYG content editor. Layout complex models and animations instantly with in-scene data & video input! Full support available.

HDMI x2 LAN  
WiFi PS2 x1  
USB 2.0 x3 SPDIF  
USB 3.0 x3+Type-C

### CCTV Audience Metrics

Add a camera for remote audience monitoring.





# Digital Signage Player

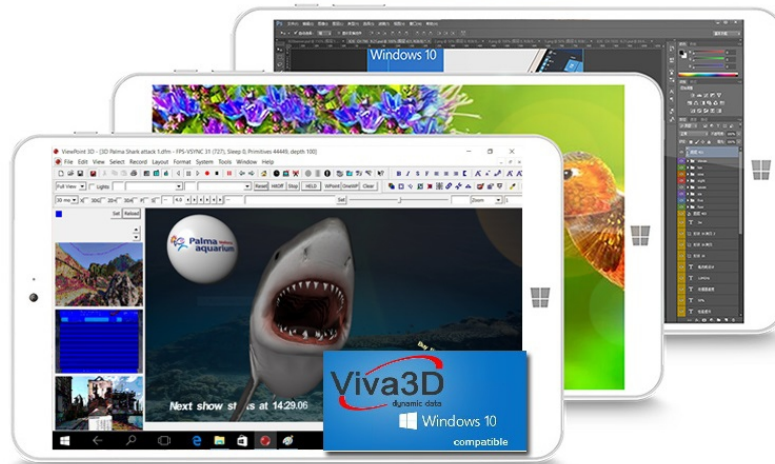
Only £64 / €90 / US\$99 + tax  
plus shipping

8" Windows 10 Tablet PC  
with HDMI FHD/4K screen output



Connect an external monitor or TV - up to 4K resolution to this tablet, and use the touch screen for setup and remote control.

Its the perfect solution for professional digital signage at an attractive price. This tiny titan will run heavy-duty software such as Viva3D! Uses Intel's latest 14nm chip technology with generation 6 graphics.



8.0 inches  
1280x800  
screen

IPS  
Impact  
Resistant

178°  
Viewing  
angle

Crystal sharp 1280 x 800 IPS screen, Intel X5-Z8300 with Gen 8 GPU graphics DX11/12, 32GB solidstate drive, expandable to 128GB, 2GB system memory USB, HDMI, audio jack, Bluetooth, WiFi 802g/n, universal charger Windows 10 Home, Office 365 included. 2-year warranty.

**Visit [www.ViewPoint-3D.com](http://www.ViewPoint-3D.com) to order**