

## Wincomm's New Digital Signage Player PC Is Compact, Fanless & Full HD Ready WPA-780 with dual core processor, dedicated HD hardware decoder and quiet, reliable operations

**Hsinchu, Taiwan, June 25, 2010** – Wincomm launches our latest digital signage player PC WPA-780 series, this metal box PC is compact, fanless, rugged designed and is ready to run most demanding full HD digital signage contents.



*WPA-780: fin-like aluminum top cover*



*WPA-780: rear I/O connectors*

### Compact, fanless and due core processor

The WPA-780 series is very compact w/ only A4 size dimension (295 mm width x 200 mm depth) and 38 mm height. The rugged metal housing is specially designed with fin-like aluminum top and bottom cover along with ventilation holes on the left & right side covers to achieve best heat dissipation.

The WPA-780A is fanless design for up to 40-degree C operation and can support AMD Athlon 64 X2 3400e 1.8 GHz (dual core) and Athon 64 2600+ 1.6 GHz (single core) low power processors.

For more heavy loading applications, the WPA-780F is equipped with smart fan design (variable speed control, less than 30dB low noise fan) to run AMD Athlon 64 X2 4200+ 2.2 GHz and 3600+ 1.9 GHz dual core processors. The operating temperature can be up to 45-degree C.

Processor comparison	3400e 1.8G	2600+ 1.6G	4200+ 2.2G	3600+ 1.9G
Number of cores	2	1	2	2
L2 cache	2 x 512 KB	512 KB	2 x 512 KB	2 x 512 KB
CPU score (PCMark 05)	2314	2300	4472	3867
Thermal design power (TDP)	22 W	15 W	35 W	35 W
CPU score: higher is better		TDP: Lower is better		

### Integrated full HD hardware decoder

The WPA-780 series is designed w/ AMD's high-performance embedded platform solution featuring the AMD 780E & SB710 chipset. Integrated inside the 780E is ATI Radeon HD3200 graphics core with ATI Avivo HD technology to support DirectX 10.0, OpenGL 2.0 and UVD(Unified Video Decoder) 2.0.

The ATI UVD is a dedicated video decoding block that facilitates the full, bit-accurate decoding of MPEG-2, H.264/AVC MPEG-4 and VC-1 encoded HD video. This dedicated decoding hardware not only provides



efficient and high quality full HD video playback but also frees up significant CPU processing and associated power consumption.

UVD & CPU HD video decoding comparison	UVD	CPU decode
HD playback CPU usage (% , lower is better)	16%	85%
HD video: H.264 1080p      Display resolution: 2560x1600		

### Other key features

Besides the compact housing and full HD video ready graphics, below are other key features for WPA-780.

- . **System memory:** 4 GB maximum, SODIMM socket x 2, DDR2-800, dual channel
- . **Video memory:** 128M GDDR3 sideport memory as dedicated frame buffer memory
- . **HDD:** SATA II, 2.5" 160G HDD w/ anti-vibration fixing bracket
- . **Expansion:** Mini PCI express 52-pin card edge socket x 1
- . **Power supply:** External 80 watts AC/DC power adaptor, universal type, 12V DC output
- . **I/O connectors:** USB 2.0 x 6, DVI-I x 1, LAN (Gigabit) x 1, RS-232/422/485 x 1, Microphone-in x 1, Line-in x 1, Line-out x 1, DC-in (lock type) x 1
- . **Weight:** 4.5 kg (net, w/o power adaptor)
- . **Optional accessory:** 802.11 a/b/g/n WLAN mini PCIe card
- . **Customization design:** HDMI 1.3a output, built-in video capture circuitry w/ AV-in connector

### Summary

Wincomm's new WPA-780 digital signage player PC is compact, fanless and with dedicated hardware decoder to run full HD contents. It provides the benefits of space-saving, easy installation, quiet & reliable operation, efficient computing power and seamless high quality video playback experience.

###

If you have any questions or further requests, please feel free to contact our Sales representatives or mail directly to [sales\\_support@wincomm.com.tw](mailto:sales_support@wincomm.com.tw)

### Wincomm Corporation

3F, No. 14, Prosperity Road II, Science-Based Industrial Park, Hsinchu, Taiwan R.O.C.

Tel: +886 3 578 0000 Fax: +886 3 578 0295

Web: [www.wincomm.com.tw](http://www.wincomm.com.tw)