Highlights

- **Outstanding Powerful Thin Client** – 1.6GHz dual core AMD processor and chipset supporting most demanding user requirements

- **VGA, DVI and HDMI Video** – AMD/ATI on-board HD graphic card with native connectivity for digital and analogue monitors including dual display support

- **Full HD support –** including advanced video decoders adapted for HD decoding intensive tasks, whether they may be 2D or 3D graphics, multi-display HD videos, and more.

- **Manageable through various tools:**

  - **Microsoft SCCM (System Center Configuration Manager)** enables, among other things, remote assessment, deployment, and updates of OS images to devices across physical, virtual, distributed, and mobile environments.

  - **Microsoft WDS (Windows Deployment Server)** enables remote deployment and updates of clients from a central location

  - **Altiris** deployment solution supported

- **Flexible** - Can run a large variety of Clients and applications, local printing, various ICA/RDP/VDI, Terminal Emulation applications and more

- **Customizable** - Fully customizable desktop interface and modular operating system to fit user needs

- **Plug-and–Play Connectivity** - Fast, easy installation and deployment

- **Data Integrity** – Centralized data storage and backup insures integrity and security

- **Secured** - Enhanced Write Filter protection & File based Write Filter protection that prohibit writing to Flash

HD PC W7DA8E6

The **HD PC W7DA8E6** provides an outstanding performance provided by its powerful dual core processor and chipset – providing you with a sleek user experience never heard of before.

The **HD PC W7DA8E6** is powered by the latest technology CPU and chipset offering advanced video decoders adapted for HD decoding intensive tasks, whether they may be 2D or 3D graphics, multi-display HD videos, and more.

The **HD PC W7DA8E6** includes a wealth of I/O options and Super Speed USB 3.0 connectivity, so you may connect the newest peripherals and get speeds of up to 10 times faster than USB 2.0 standard ports. In addition, a wealth of display options is open to you, including HDMI, DVI and VGA. Networking includes support for gigabit Ethernet, and available integrated A/B/G/N dual band Wi-Fi option.

The **HD PC W7DA8E6** is powered by Windows Embedded Standard 7 enhanced with Chip PC additions and offering expanded functionality for every need. The **HD PC W7DA8E6** owns a familiar Windows interface and supports any need as a virtual desktop, thin client or connectivity to cloud applications. Another big advantage of this innovative device is enhanced security and manageability via Chip PC's management software, the Xcalibur Global.

Additional unique features of the **HD PC W7DA8E6** include instant boot, instant Flash, AIWI, APP Charger, Smart View, extra fast USB and hybrid booster via U-COP and Boot Failure Guard (B.F.G.)

HD PC W7DA8E6 Hardware Specification Table	
Form Factor	• Mini-ITX Form Factor • All Solid Capacitor design (100% Japan-made high-quality Conductive Polymer Capacitors)
CPU	• 1.6GHz dual core AMD processor Zacate E350/E350D APU • Supports AMD's Cool 'n' Quiet TM Technology • UMI 2.5 GT/s
Chipset	• AMD A50M Chipset
RAM	• 2GB DDR3 1066 non-ECC, un-buffered memory • Max. capacity of system memory: 16GB
Flash	• 8GB SATA3 SSD Flash (Optional up to 256GB) • 4 x SATA3 6.0 Gb/s connectors, support NCQ, AHCI and "Hot Plug" functions
Graphics	• Integrated AMD Radeon HD 6310 graphics • DX11 class iGPU, Pixel Shader 5.0 • Max. shared memory 512MB • Three display output options: HDMI, DVI-D and VGA/D-Sub • Supports HDMI Technology with max. resolution up to 1920x1200 (1080P) • Supports DVI with max. resolution up to 1920x1200 @ 75Hz • Supports VGA/D-Sub with max. resolution up to 2048x1536 @ 85Hz • Supports HDCP function with DVI and HDMI ports • Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback with DVI and HDMI ports • Supports Dolby TrueHD and DTS-HD Master Audio through HDMI port
Audio Support	• 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec) • Premium Blu-ray audio support
Rear Panel Input/output	I/O Panel • 1 x PS/2 Keyboard/Mouse Port • 1 x VGA/D-Sub Port • 1 x DVI-D Port • 1 x HDMI Port • 1 x Optical SPDIF Out Port • 4 x Ready-to-Use USB 2.0 Ports • 1 x eSATA3 Connector • 2 x Ready-to-Use USB 3.0 Ports • 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) • HD Audio Jack: Rear Speaker/Central/Bass/Line in/Front Speaker/Microphone
USB 3.0	• 2 x USB 3.0 ports by Etron EJ168A, support USB 1.0/2.0/3.0 up to 5Gb/s
Connectors	• 4 x SATA3 6.0Gb/s connectors • 1 x CIR header (Optional, on special orders) • 1 x COM port header (Optional, on special orders) • 24 pin ATX power connector • Audio connector (Front panel) • 2 x USB 2.0 headers (Front panel)
BIOS Features	• 32Mb AMI BIOS • AMI UEFI Legal BIOS with GUI support • Supports "Plug and Play" • ACPI 1.1 Compliance Wake Up Events • Supports jumper free • SMBIOS 2.3.1 Support • DRAM, FCH, +1V, +1.8V Voltage Multi-adjustment • Live BIOS Update
Network	• 1 Gigabit LAN 10/100/1000 Mb/s • Realtek RTL8111E • Supports Wake-On-LAN • Supports LAN Cable Detection • Supports Energy Efficient Ethernet 802.3az
Unique Features	• Instant Boot • Instant Flash • AIWI • APP Charger • SmartView • XFast USB Hybrid Booster: - U-COP - Boot Failure Guard (B.F.G.)

HD PC W7DA8E6 Hardware Specification Table

Hardware Monitor	• CPU Temperature Sensing • Chassis Temperature Sensing • Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore
Enclosure Color	• Black
Environmental	• Temperature range: Operating - 0ºC to 40ºC (32ºF to 104ºF); Storage - 0ºC to 60ºC (32ºF to 140ºF) • Humidity: Operating - 20 to 80% non condensing; Storage – 10 to 90% non condensing • Altitude: 0 to 20,000 ft
General Power Consumption	• Typical 7-10W • Max. 18-20W
External Power Supply	• External power supply 12V 3 Amp
Regulatory Compliance	• Safety: UL/cUL60950,EN60 950 • EMI/EMC: FCC Class B, CE Mark, EN55022B
Dimensions	• 53x195x185mm • 2x8x7.5 inch
Accessories	• Visit our site at www.chippc.com for an updated list

Firmware Specifications Table

Chip PC unique Thin Client Operating System architecture provides a fast, secure, customizable and manageable Operating System fully able to connect to any type of Terminal/Citrix/Legacy/Virtualization server

Operating system	• Windows7 Embedded	
Applications/Clients	**Integrated** • Citrix Receiver 13 (Online + offline clients) • RDP 7.1 • IE 9.0 Full Features • VMware View 5 • Windows media player 12 • Flash player 10.2 • Ultra VNC • .Net Framework 3.5 • Windows update Agent • Domain Join	**Optional** • SCCM2007 • Anti-Virus • Firefox browser • VPN Client • NX • Xclient • JRE • MS Viewers • Jetro Cockpit Client • ProPalms Client • Any 32 bit Application
Server OS Compatibility	• Citrix XenServer, XenApp, XenDesktop • Microsoft Windows Server 2000/2003/2008 (RemoteFX Support) • Unix/Linux Servers • VMware view Servers • Novell Netware Servers	
Setup and Configuration	• Multi-session support • Fully customizable PC-like desktop interface	
Management Solutions	• **Microsoft SCCM (System Center Configuration Manager)** enables, among other things, remote assessment, deployment, and updates of OS images to devices across physical, virtual, distributed, and mobile environments. • **Microsoft WDS (Windows Deployment Server)** enables remote deployment and updates of clients from a central location. • Integration with **Altiris Deployment Server** (optional, license required)	
Security - General	• Locked-down desktop that can be changed only by Administrator • File-Based-Write-Filter / Enhanced-Write-Filter • Registry Filter • Security policy applied locally or through Active Directory GPO • Built-in Microsoft Security Center + F/W	
Certificates	• Import SSL certificates to the device for connecting to Citrix Secure gateway or websites requiring SSL	
Printers; Local and Network	• Full support of both local and network printers: LPD,LPR, SMB, LPT, USB, COM	
Warranty	• 1 year automatic Warranty, additional 2 years pending on product registration	

- Device package includes HD PC device, Warranty Registration Card and User's Manual
- Monitor, keyboard and mouse - to be purchased separately, Software licenses - to be purchased separately
- Above features are supported in latest firmware image version released, Actual display support is dependent on display hardware and cable quality; some of the resolutions and display modes described above may not be supported by certain displays or cables
- Specifications are subjected to change without prior notice
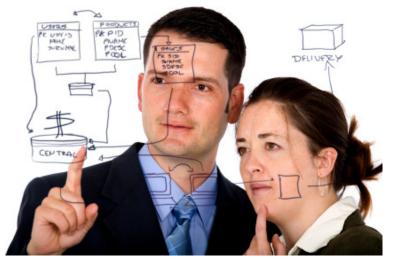
The Company

Since its inception, Chip PC has been a world leader in server-centric-computing. A private company with branches in Europe and the U.S., Chip PC develops and manufactures, top notch, thin client technology and management systems.

Chip PC's team of dedicated researchers and developers have combined their years of experience to yield novel ideas and deliver an outstandingly innovative family of thin client products.

With the award winning Xcalibur Global management system and innovative thin client units, Chip PC maintains a leading market position with its end-to-end solution.

The End-to-End Solution

Chip PC is aimed at solving the thorny problem of combining intelligent thin client networking with sophisticated management and control. Chip PC's unique solution constructs a ground-up thin client network from the revolutionary Jack PC that fits into a standard wall jack, through the NG Series', state-of-the art, powerful, desktop units and miniature Plug PCs.

These server-centric, revolutionarily designed, units are comprehensively managed by Chip PC's Xcalibur Global. The Xcalibur Global Management System simulates an Active Directory environment with intelligent usage of its management principles of policies and tools and offers flexible management that applies down to the specific needs of every particular client unit or user.

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