

## Highlights

- 📌 **Outstanding Powerful Smart Client** – Intel i7-3770 based processor and chipset supporting most demanding user requirements
- 📌 **VGA, DVI and HDMI Video** – 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 Smart Client Intel-i7-3770

The **HD PC Smart Client Intel-i7-3770** 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 Smart Client Intel-i7-3770** 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 Smart Client Intel-i7-3770** 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 Smart Client Intel-i7-3770** can be powered by Windows Embedded Standard 7 or 8 and offers expanded functionality for every need. The **Intel-i7-3770** owns a familiar Windows interface and supports any need as a virtual desktop, smart client or connectivity to cloud applications.

Additional unique features of the **Intel-i7-3770** 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 Smart Client Intel i7-3770 Hardware Specification Table**

<b>Form Factor</b>	<ul style="list-style-type: none"> <li>Mini-ITX Form Factor</li> <li>All Solid Capacitor design (100% Japan-made high-quality Conductive Polymer Capacitors)</li> </ul>
<b>CPU</b>	<ul style="list-style-type: none"> <li>Intel i7-3770</li> </ul>
<b>RAM</b>	<ul style="list-style-type: none"> <li>2GB DDR3 1066 non-ECC, un-buffered memory</li> <li>Max. capacity of system memory: 16GB</li> </ul>
<b>Flash</b>	<ul style="list-style-type: none"> <li>8GB SATA3 SSD Flash (Optional up to 256GB)</li> <li>4 x SATA3 6.0 Gb/s connectors, support NCQ, AHCI and "Hot Plug" functions</li> </ul>
<b>Graphics</b>	<ul style="list-style-type: none"> <li>DX11 class iGPU, Pixel Shader 5.0</li> <li>Max. shared memory 512MB</li> <li>Three display output options: HDMI, DVI-D and VGA/D-Sub</li> <li>Supports HDMI Technology with max. resolution up to 1920x1200 (1080P)</li> <li>Supports DVI with max. resolution up to 1920x1200 @ 75Hz</li> <li>Supports VGA/D-Sub with max. resolution up to 2048x1536 @ 85Hz</li> <li>Supports HDCP function with DVI and HDMI ports</li> <li>Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback with DVI and HDMI ports</li> <li>Supports Dolby TrueHD and DTS-HD Master Audio through HDMI port</li> </ul>
<b>Audio Support</b>	<ul style="list-style-type: none"> <li>7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec)</li> <li>Premium Blu-ray audio support</li> </ul>
<b>Rear Panel Input/output</b>	I/O Panel <ul style="list-style-type: none"> <li>1 x PS/2 Keyboard/Mouse Port</li> <li>1 x VGA/D-Sub Port</li> <li>1 x DVI-D Port</li> <li>1 x HDMI Port</li> <li>1 x Optical SPDIF Out Port</li> <li>4 x Ready-to-Use USB 2.0 Ports</li> <li>1 x eSATA3 Connector</li> <li>2 x Ready-to-Use USB 3.0 Ports</li> <li>1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED)</li> <li>HD Audio Jack: Rear Speaker/Central/Bass/Line in/Front Speaker/Microphone</li> </ul>
<b>USB 3.0</b>	<ul style="list-style-type: none"> <li>2 x USB 3.0 ports by Etron EJ168A, support USB 1.0/2.0/3.0 up to 5Gb/s</li> </ul>
<b>Connectors</b>	<ul style="list-style-type: none"> <li>4 x SATA3 6.0Gb/s connectors</li> <li>1 x CIR header (Optional, on special orders)</li> <li>1 x COM port header (Optional, on special orders)</li> <li>24 pin ATX power connector</li> <li>Audio connector (Front panel)</li> <li>2 x USB 2.0 headers (Front panel)</li> </ul>
<b>BIOS Features</b>	<ul style="list-style-type: none"> <li>32Mb AMI BIOS</li> <li>AMI UEFI Legal BIOS with GUI support</li> <li>Supports "Plug and Play"</li> <li>ACPI 1.1 Compliance Wake Up Events</li> <li>Supports jumper free</li> <li>SMBIOS 2.3.1 Support</li> <li>DRAM, FCH, +1V, +1.8V Voltage Multi-adjustment</li> <li>Live BIOS Update</li> </ul>
<b>Network</b>	<ul style="list-style-type: none"> <li>1 Gigabit LAN 10/100/1000 Mb/s</li> <li>Realtek RTL8111E</li> <li>Supports Wake-On-LAN</li> <li>Supports LAN Cable Detection</li> <li>Supports Energy Efficient Ethernet 802.3az</li> </ul>
<b>Unique Features</b>	<ul style="list-style-type: none"> <li>Instant Boot</li> <li>Instant Flash</li> <li>AIWI</li> <li>APP Charger</li> <li>SmartView</li> <li>XFast USB</li> <li>Hybrid Booster: - U-COP - Boot Failure Guard (B.F.G.)</li> </ul>
<b>Hardware Monitor</b>	<ul style="list-style-type: none"> <li>CPU Temperature Sensing</li> <li>Chassis Temperature Sensing</li> <li>Voltage Monitoring: +12V, +5V, +3.3V, CPU Vcore</li> </ul>

**HD PC Smart Client Intel i7-3770 Hardware Specification Table**

<b>Enclosure Color</b>	<ul style="list-style-type: none"> <li>Black</li> </ul>
<b>Environmental</b>	<ul style="list-style-type: none"> <li>Temperature range: Operating - 0°C to 40°C (32°F to 104°F); Storage - 0°C to 60°C (32°F to 140°F)</li> <li>Humidity: Operating - 20 to 80% non condensing; Storage - 10 to 90% non condensing</li> <li>Altitude: 0 to 20,000 ft</li> </ul>
<b>General Power Consumption</b>	<ul style="list-style-type: none"> <li>Typical 7-10W</li> <li>Max. 18-20W</li> </ul>
<b>External Power Supply</b>	<ul style="list-style-type: none"> <li>External power supply 12V 3 Amp</li> </ul>
<b>Regulatory Compliance</b>	<ul style="list-style-type: none"> <li>Safety: UL/cUL60950, EN60 950</li> <li>EMI/EMC: FCC Class B, CE Mark, EN55022B</li> </ul>
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>53x195x185mm</li> <li>2x8x7.5 inch</li> </ul>
<b>Accessories</b>	<ul style="list-style-type: none"> <li>Visit our site at <a href="http://www.chippc.com">www.chippc.com</a> for an updated list</li> </ul>
<b>Warranty</b>	<ul style="list-style-type: none"> <li>1 year automatic Warranty, additional 2 years pending on product registration</li> </ul>

**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

<b>Operating system</b>	<ul style="list-style-type: none"> <li>Windows7 Embedded</li> </ul>		
<b>Applications/Clients</b>	<table border="0"> <tr> <td style="vertical-align: top;"> <p><b>Integrated</b></p> <ul style="list-style-type: none"> <li>Citrix Receiver 13 (Online + offline clients)</li> <li>RDP 7.1</li> <li>IE 9.0 Full Features</li> <li>VMware View 5</li> <li>Windows media player 12</li> <li>Flash player 10.2</li> <li>Ultra VNC</li> <li>.Net Framework 3.5</li> <li>Windows update Agent</li> <li>Domain Join</li> </ul> </td> <td style="vertical-align: top;"> <p><b>Optional</b></p> <ul style="list-style-type: none"> <li>SCCM2007</li> <li>Anti-Virus</li> <li>Firefox browser</li> <li>VPN Client</li> <li>NX</li> <li>Xclient</li> <li>JRE</li> <li>MS Viewers</li> <li>Jetro Cockpit Client</li> <li>ProPalms Client</li> <li>Any 32 bit Application</li> </ul> </td> </tr> </table>	<p><b>Integrated</b></p> <ul style="list-style-type: none"> <li>Citrix Receiver 13 (Online + offline clients)</li> <li>RDP 7.1</li> <li>IE 9.0 Full Features</li> <li>VMware View 5</li> <li>Windows media player 12</li> <li>Flash player 10.2</li> <li>Ultra VNC</li> <li>.Net Framework 3.5</li> <li>Windows update Agent</li> <li>Domain Join</li> </ul>	<p><b>Optional</b></p> <ul style="list-style-type: none"> <li>SCCM2007</li> <li>Anti-Virus</li> <li>Firefox browser</li> <li>VPN Client</li> <li>NX</li> <li>Xclient</li> <li>JRE</li> <li>MS Viewers</li> <li>Jetro Cockpit Client</li> <li>ProPalms Client</li> <li>Any 32 bit Application</li> </ul>
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<b>Server OS Compatibility</b>	<ul style="list-style-type: none"> <li>Citrix XenServer, XenApp, XenDesktop</li> <li>Microsoft Windows Server 2000/2003/2008 (RemoteFX Support)</li> <li>Unix/Linux Servers</li> <li>VMware view Servers</li> <li>Novell Netware Servers</li> </ul>		
<b>Setup and Configuration</b>	<ul style="list-style-type: none"> <li>Multi-session support</li> <li>Fully customizable PC-like desktop interface</li> </ul>		
<b>Management Solutions</b>	<ul style="list-style-type: none"> <li><b>Microsoft SCCM (System Center Configuration Manager)</b> enables, among other things, remote assessment, deployment, and updates of OS images to devices across physical, virtual, distributed, and mobile environments.</li> <li><b>Microsoft WDS (Windows Deployment Server)</b> enables remote deployment and updates of clients from a central location.</li> <li>Integration with <b>Altiris Deployment Server</b> (optional, license required)</li> </ul>		
<b>Security - General</b>	<ul style="list-style-type: none"> <li>Locked-down desktop that can be changed only by Administrator</li> <li>File-Based-Write-Filter / Enhanced-Write-Filter</li> <li>Registry Filter</li> <li>Security policy applied locally or through Active Directory GPO</li> <li>Built-in Microsoft Security Center + F/W</li> </ul>		
<b>Certificates</b>	<ul style="list-style-type: none"> <li>Import SSL certificates to the device for connecting to Citrix Secure gateway or websites requiring SSL</li> </ul>		
<b>Printers; Local and Network</b>	<ul style="list-style-type: none"> <li>Full support of both local and network printers: LPD,LPR, SMB, LPT, USB, COM</li> </ul>		

- 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, smart and zero clients 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, smart and zero client products.

With the award winning Xcalibur Global management system and innovative thin, smart and zero 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 client networking with sophisticated management and control. Chip PC's unique solution constructs a ground-up 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.

