

Media Centre barebone with 7" Touchscreen Display

The Shuttle Barebone D45 is a digital home entertainment platform which keeps you connected and lets you enjoy everyday living room entertainment – from the hottest music to the latest movies – in true style. The integrated 7" touchscreen display is the revolutionary option for the management of multimedia content and applications. Your finger replaces the input devices. Touching the display starts programs and executes commands. With entertainment-quality graphics, cinema-like surround sound, and the power of an high-performance Intel® Core™2 Duo/Quad processor, these entertainment PCs are truly designed for the digital home of today and tomorrow.

Feature Highlight

G7 chassis	<ul style="list-style-type: none"> Aluminum chassis (black) Bays: 1x 5.25", 2x 3.5"
Touchscreen	<ul style="list-style-type: none"> Integrated 7" display (800 x 480) Touchscreen technology
Chipset	<ul style="list-style-type: none"> Intel G45 + ICH10
CPU	<ul style="list-style-type: none"> Socket 775, max. 1333MHz FSB Supports Intel Core 2 Extreme/Quad/Duo, Pentium Dual Core, Celeron Dual-Core, Celeron 4xx I.C.E. Genie Heat-pipe cooling
Memory	<ul style="list-style-type: none"> Supports 2x DDR2-667/800 Supports up to a total size of 8 GB
Slot	<ul style="list-style-type: none"> 1x PCI-Express x1
Drive connectors	<ul style="list-style-type: none"> 2x Serial ATA 2.0 1x Parallel ATA
Other connectors	<ul style="list-style-type: none"> Video outputs: HDMI and VGA 7.1-channel, HD Audio with optional S/PDIF USB 2.0 (4x rear, 4x onboard) GigaBit LAN (WLAN optional) External Serial ATA port (eSATA) Integrated infrared receiver
Power supply	<ul style="list-style-type: none"> 300 Watt, 80PLUS, SilentX
Application	<ul style="list-style-type: none"> Basic, Home-Media

Shuttle Barebone D45



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Shuttle Barebone D45 – Special Product Features

Touchscreen



The touchscreen is one of the easiest PC interfaces to use, making it the interface of choice for a wide variety of applications to improve human-computer interaction. It can help make any information more easily accessible by allowing users to navigate by simply touching the display screen. When used in conjunction with software such as on-screen keyboards, or other assistive technology, it can help make computing resources more available to both, experienced and novice users. A PC system with touchscreen can even do without a physical keyboard and mouse and all their wires.

Supports Dual Display



Connect it to a big screen for an unsurpassed entertainment experience right out of the box. Then enjoy the sheer convenience of having two screens. Easily search for a movie on the integrated display without interrupting what's playing on the big screen. Even checking email just got easier – there's no need to minimize your media player just to see your inbox anymore.



Supports Intel Core 2 Duo at 1333MHz FSB and 8 GB RAM

Based on the Intel G31 chipset, the Shuttle D45 supports Intel's performance-packed and energy-efficient Intel® Core™ 2 Duo/Quad processors with 45nm technology. In addition, this platform can be configured with up to 8GB of DDR2-800 memory for getting amazing responsiveness for multimedia or complex applications.



Integrated Cooling Engine (I.C.E.)

Shuttle's XPCs offer the power of a desktop PC in a form factor one-third the size. In order to ensure proper airflow inside a smaller unit, more advanced cooling technologies have been developed and implemented in the Shuttle XPC. Shuttle's industry-leading I.C.E. heatpipe technology delivers efficient cooling and is exceptionally quiet.

Built-in Intel GMA X4500HD Graphics Engine



DVI-to-HDMI adapter cable included

The next-generation Intel® Graphics Media Accelerator X4500HD (Intel® GMA X4500HD) includes built-in support for full 1080p high-definition video playback, including Blu-ray disc movies. This powerful video engine provides users with a rich, new media experience to deliver smooth HD playback without the need for add-in video cards or decoders. Intel® GMA X4500HD comes with Intel® Clear Video Technology, a combination of video processing hardware and software technologies designed to enhance the visual experience. In addition to video, the optimized 3D graphics engine supports DirectX 10, Shader Model 4.0 and OpenGL 2.0 and delivers the performance and compatibility you need for entertaining, everyday gameplay for the most popular game titles.



Finest cinematic surround sound experience

What would a home theater be without booming, immersive 7.1 channel surround sound? Experience state-of-the-art sound quality provided by Dolby® Digital Live and DTS® Connect functionality.



External Serial ATA

The External SATA interface provides up to 6 times faster access to external storage solutions than USB 2.0 or Firewire.



PCIe x1 Expansion Slot

The PCI Express x1 slot enables the user to expand this system for various applications. For example, you can set up a video surveillance system by adding a frame grabber card or you can add a TV tuner card to watch TV with a media center application.



Supports Windows Vista Premium

Breathtaking Windows Aero™ 3D visual interface and a host of groundbreaking new features, Windows® Vista™ Premium promises to deliver a streamlined computing experience designed to fundamentally change how users view, find and organize their digital information.



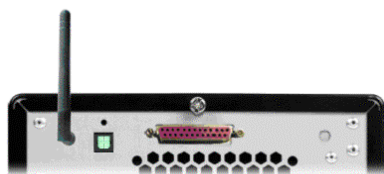
80 PLUS® Certified Power Supplies

The 80 PLUS® performance specification requires power supplies in computers and servers to be 80% or greater energy-efficient. The Shuttle Barebone D45 features a powerful 300W power supply with 80 PLUS® validation as standard.



New Era of All-Solid Capacitor Shuttle Mainboards

By using all-solid capacitors Shuttle mainboards provide industry leading stability, reliability and longevity for PC gaming and entertainment systems. The average lifespan for a solid capacitor is more than six times greater than the more common and less expensive electrolytic capacitors.



Shuttle XPC Accessory

Shuttle offers a wide variety of accessories for XPC barebones and complete systems such as WLAN modules or expansion kits. The XPC carrying bag is also a popular accessory - it is the ideal solution for LAN party gamers and business people, who need to transport their XPC.

Shuttle Barebone D45 – Specifications

<i>Chassis</i>	<p>G7-type aluminum chassis, black color</p> <p>Storage bays: 2x 3.5" internal, 1 x 5.25" external</p> <p>Dimensions: 30.5 x 20 x 18.5 cm (LWH) = 11.3 litres</p> <p>Weight: 3.1 kg net, 3.2 kg gross</p>
<i>Integrated 7" Display</i>	<p>Active area: 152.4 x 91.44 mm (7 inch)</p> <p>Resolution: 800x480 pixels</p> <p>Color depth: 262144 (18 bits)</p> <p>Backlight unit: High power LED</p> <p>OSD (On Screen Display): 3 Buttons</p>
<i>Touchscreen</i>	<p>Touchscreen function support fingertip input</p> <p>Electric capacity solution</p>
<i>Optional Remote Control</i>	<p>Optional: Shuttle Media Center Infrared Remote Control (RC12)</p>
<i>Mainboard</i>	<p>Mainboard FG45, proprietary Shuttle form factor</p> <p>Chipset: Intel G45 Express + ICH10</p> <p>Dimensions: 25.4 x 18.5 cm</p>
<i>Power Supply</i>	<p>SilentX 300 Watt mini power supply unit (PC60)</p> <p>Input voltage range: 100~240V</p> <p>Connectors: 20-pin ATX, 4-pin ATX12V</p> <p>Dimensions: 190 (L) x 82 (W) x 43 (H) mm</p> <p>EMI certified: FCC, CE, CCC</p> <p>Safety certified: TÜV, UL, CB, CCC, CSA, NEMKO</p> <p>Active PFC (Power Factor Correction)</p> <p>Green: 80PLUS Bronze compliant</p>
<i>Processor Support</i>	<p>Socket 775 unterstützt Intel Core 2 Quad/Extreme/Duo, Pentium Dual-Core, Celeron Dual-Core und Celeron 4xx</p> <p>Unterstützt 800, 1066 oder 1333MHz Front Side Bus</p> <p>Unterstützt Prozessoren mit 65nm und 45nm Fertigungstechnologie.</p> <p>Detaillierte Informationen über kompatible Prozessoren finden Sie in der Support-Liste.</p>
<i>Processor Cooling</i>	<p>Shuttle I.C.E. (Integrated Cooling Engine)</p> <p>advanced I.C.E. Heatpipe technology, linear controlled 92mm fan</p> <p>SilentX cooling and noise reduction technology with Active Airflow</p>
<i>Memory Support</i>	<p>2 x 240 pin slots, supports Dual Channel</p> <p>supports DDR2-667/800 SDRAM memory</p> <p>up to a total size of 8 GB, max. 4 GB per DIMM</p>

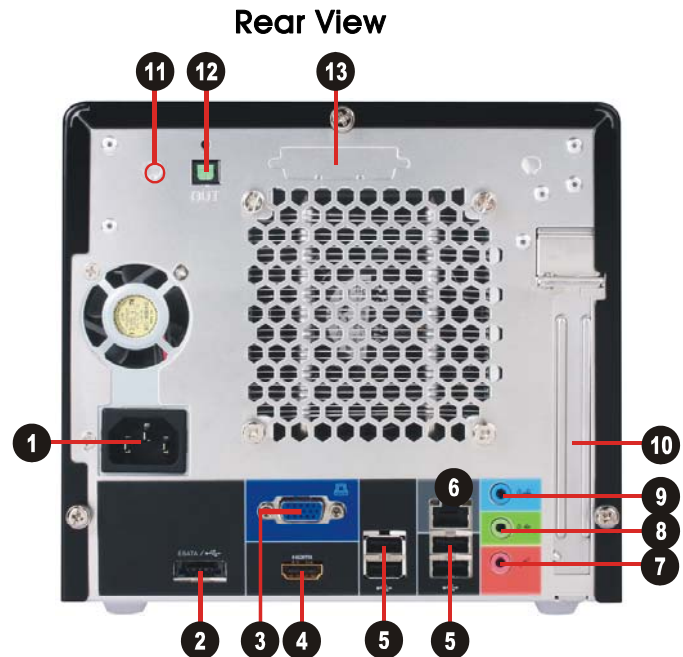
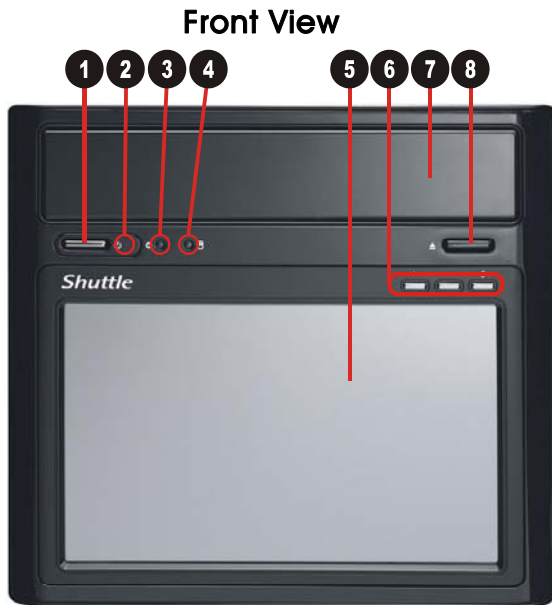
Expansion Slots	1 x PCI-Express x1
Integrated Graphics	<p>Next-generation Intel® Graphics Media Accelerator (GMA) X4500HD with 400 MHz core frequency</p> <p>Maximum dynamic shared memory: 1 GB</p> <p>Supports all HD formats including 720p, 1080i and 1080p</p> <p>Supports HD-DVD / Blu-Ray with VC-1, MPEG2, and AVC hardware decoder</p> <p>Intel® Clear Video Technology enhance the visual experience</p> <p>Supports DirectX 10, Shader Model 4.0 and OpenGL 2.1</p> <p>Supports Triple-Display mode with VGA, DVI and internal touchscreen.</p> <p>Note: external PCIe x1 graphics cannot work concurrently with the integrated graphics device.</p> <p>Analog VGA D-Sub output:</p> <ul style="list-style-type: none"> - 350 MHz / 24-bit RAMDAC - Supports up to 2048x1536 resolution @ 75 Hz refresh <p>Digital HDMI output:</p> <ul style="list-style-type: none"> - Supports up to 2048x1536 resolution @ 60 Hz - Supports HDTV at 1400x1050 resolution @ 85 Hz - Supports HDCP (High-bandwidth Digital Content Protection) - HDMI also transmits digital S/PDIF audio signals - HDMI-to-DVI adapter included <p>Triple Display Support: in addition to the integrated display you can connect two external displays (VGA and HDMI/DVI).</p>
7.1-channel Audio	<p>High-Definition Audio with VIA Vinyl™ VT1708B Codec</p> <p>Supports Dolby® Digital Live! and DTS™ Connect (Digital Theater Systems)</p> <p>Three analog audio connectors (3.5mm) at the Back-Panel:</p> <ol style="list-style-type: none"> 1) Front Line out (head phone) 2) Rear Surround line-out (shared with microphone input) 3) Center line-out (shared with Line in) <p>Optional Digital S/PDIF output (optical) supports 7.1 channel audio</p>
Gigabit-LAN Controller	<p>Realtek RTL8111CEthernet network controller (Gigabit)</p> <p>Supports 100 / 1.000 MBit/s operation</p> <p>Supports Wake-on-LAN (WOL)</p>
Drive connectors	<p>2x Serial-ATA II, 3 Gbit/s (300 MB/s) bandwidth</p> <p>1x External Serial ATA (eSATA)</p> <p>1x IDE ATA 100 drives</p>
Front panel devices	<p>Power button</p> <p>Power LED</p> <p>HDD LED</p> <p>7" Touchscreen Display</p> <p>3 buttons for OSD (On-Screen-Display settings for 7" display)</p> <p>Eject button for the optical drive</p>

<i>Back panel connectors</i>	HDMI output (Digital Video & Audio, supports HDCP, DVI via adapter) VGA output (D-sub, analog video out) 4x USB 2.0 GigaBit LAN (RJ45) External Serial ATA Hotplug (eSATA) Audio Front Line out (head phone) Audio Rear Surround line-out (shared with microphone input) Audio Center line-out (shared with Line in) Optional optical S/PDIF output supports 7.1 digital audio Perforation for optional Parallel port (LPT) Perforation for optional Wireless LAN module
<i>Other connectors</i>	2x fan connectors (3 pin and 4 pin header) 4x USB 2.0 (two 2x5 pin header) CIR (1x3 pin header) Clear CMOS header Parallel port header
<i>Optional Accessories</i>	Wireless LAN module and antenna (PN20) Multimedia Remote Control (RC12) Parallel port (PC8)
<i>Accessories</i>	Multilanguage Quick Installation Guide Driver CDROM for Windows XP/Vista 32/64-bit IDE and Serial ATA cable Power cord Front feet Screws

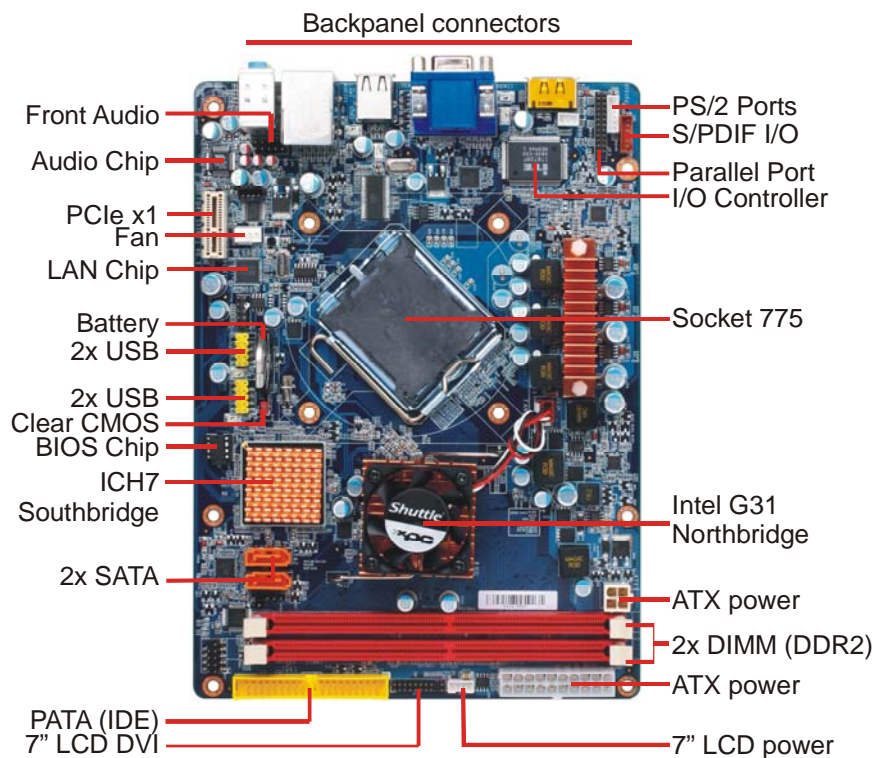
Model comparison

	Shuttle Barebone D10	Shuttle Barebone D45
<i>Chipset</i>	Intel G31 + ICH7	Intel G45 + ICH10
<i>CPU Support</i>	Socket 775, TDP max. 65W	Socket 775, TDP max. 130W
<i>Memory</i>	2 slots max. 2x 2 GB DDR-667/800	2 slots max. 2x 4 GB DDR-667/800
<i>Video outputs</i>	VGA (supports Dual Display in clone mode)	HDMI + VGA (supports Triple Display in extended mode)
<i>Audio</i>	5.1 analog	5.1 analog and 7.1 digital via S/PDIF / HDMI Supports Dolby® Digital Live! and DTS™ Connect
<i>Other connectors</i>	4x USB, PS/2, Seriell, LAN	4x USB, eSATA, LAN
<i>Power supply</i>	100W	300W, 80PLUS, SilentX

Shuttle Barebone D45 – Connectors



Mainboard



Front View

- 1 Power button
- 2 Infrared receiver
- 3 Power LED
- 4 Hard disk LED
- 5 7" Touchscreen
- 6 3 On-Screen-Display buttons
- 7 5.25" bay for optical drive
- 8 Eject button for optical drive

Rear View

- 1 AC Power Plug
- 2 External Serial ATA (eSATA)
- 3 Sub-D VGA connector
- 4 HDMI digital video out
- 5 4x USB 2.0 ports
- 6 Gigabit LAN port
- 7 Microphone input
- 8 Audio Line output
- 9 Audio Line input
- 10 PCI Express x1 slot
- 11 Optional WLAN (PN20)
- 11 S/PDIF digital audio output
- 13 Optional parallel port (PC8)