

Whisper-quiet Mini PC platform with an Intel Atom dual-core processor

To put it in a nutshell, the Shuttle XS35 is an extremely slim and ergonomic Mini PC that works highly energy-efficiently. With a power consumption that is barely not worth mentioning, its noise level is close to zero. The XS35 has an Intel Atom D510 dual-core processor (2x 1.66 GHz) beating at its heart while also using integrated GMA 3150 graphics. Because of its completely fanless case layout, it is virtually maintenance-free and noiseless. The 38mm thin case of the XS35 provides room for one slim-line optical drive and one 2.5in hard disk (a second hard drive can be fitted, if the optical drive is left out). WLAN (n) and a card reader are already built in. It sports an array of connectors too which include 5x USB, VGA, Ethernet and audio ports. An external power supply delivers the needed energy.

Barebone XS35 Ultra-Small-Form-Factor-PC



Fanless



Feature Highlights

Chassis	<ul style="list-style-type: none"> Slim 1.5 litre chassis Dimensions: 25.2 x 16.2 x 3.84 cm Hole for the Kensington Lock Optional: VESA75/100 mounting kit PV01
Operating system	<ul style="list-style-type: none"> Without operating system (compatible with Windows 7, Windows XP and Linux)
CPU	<ul style="list-style-type: none"> Intel ATOM 510 Dual Core (Pineview-D)
Chipset	<ul style="list-style-type: none"> Intel NM10 Express Chipset
Graphics	<ul style="list-style-type: none"> Integrated Intel GMA3150 Graphics
Memory	<ul style="list-style-type: none"> 1x SO-DIMM socket Supports max. 2GB DDR2-667/800
Storage	<ul style="list-style-type: none"> Supports one slimline DVD drive Supports 2.5" SATA hard disk or SSD With SD card reader
Connectors and WLAN	<ul style="list-style-type: none"> D-Sub VGA 5x USB 2.0 (1x front, 4x rear) Microphone input Headphones output (Line-out) LAN WLAN 802.11 b/g/n
Power supply	<ul style="list-style-type: none"> External 40W fanless power supply
Applications	<ul style="list-style-type: none"> Basic and Home-Media



Order number:
PEB-XS35U001

Images are only for illustration purposes.
The optical drive is not included.

Shuttle Barebone XS35 - Product Features



Slim and stylish

Designed as a space-saver, this sleek 1.5 litre nettop PC only measures 3.8cm in width. It maximizes space whether it is placed upright using its stylish stand or affixed to the back of a display with the optional VESA mounting kit (PV01). Due to its small size and flexible design, this practical nettop offers exceptional functionality and is well-suited for home users, small offices, reception areas, classrooms, libraries, showrooms, call centres, public institutions and more.



Fanless and quiet

The Shuttle Barebone XS35 comes totally fanless making it perfect to be used in noise-sensitive environments such as living rooms, hospitals, libraries etc. As an additional benefit, fanless cases rarely gather dust on the inside and stay cleaner than others. So it's not only quiet and low in energy use, but also dust-free and virtually maintenance free.

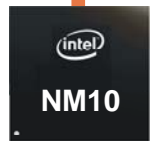
**Intel Atom D510
Dual Core**



**DDR2
SO-DIMM**



Video out



Chipset



The new Atom processor integrates the graphics controller

Shuttle XS35 is equipped with Intel's new Atom processor, codenamed Pineview. It comes with both the memory controller and graphics core on-die which helps to keep heat dissipation and memory latency low. The CPU is connected to the Southbridge NM10, codenamed Tiger Point.

Dual Core. Do more.

Shuttle always uses the dual-core variant of Intel's Atom processors and thus integrates the Atom D510. This boosts the system performance significantly with particular regards to multi-threaded applications.

Highly energy-saving

The XS35 barely consumes, depending on system load, about 16~20 Watts. Running the device*) 5 days a week for eight hours a day, the annual consumption would amount to less than 40kWh which would mean just 8 Euros on the power bill (20 Euro ct/kWh) - way less than a conventional desktop PC draws.

*) Based on a configuration with 2GB of memory, 160GB hard disk and Windows 7





What does "Barebone" mean?

Shuttle's barebones line such as the XS35 is targeted at experienced users seeking to build a complete system to meet their individual requirements. The bulk of components is yet built in, simply the following hardware is to be installed upon purchase in this case:

- One 6.35cm/2.5" Serial ATA hard disk or Solid State Disk (SSD)
- One DDR2-667/800 SO-DIMM memory module (200 pins)
- USB keyboard and USB mouse
- Optional Slim-line DVD writer with 12.7mm height
- Operating system (Windows 7, Windows XP or Linux)



SD card reader

The built-in SD card reader at the front side makes it easy to transfer files from your camera so you can share videos and photos on your XS35 with ease.



Kensington Lock

This is a small, metal-reinforced hole as part of an anti-theft system. As known from notebooks, this Mini-PC can also be safely locked by tying it to a solid object.

(The lock-and-cable apparatus is not included.)



Optional second hard disk (Accessory PHD2)

The optional accessory PHD2 supports a second 2.5" hard disk. Please note, that the bay for the optical drive will be occupied then.



Tiny power adapter

The external 40W power adapter is virtually noiseless and can easily be hidden behind the desk thanks to its tiny dimensions.

Dimensions: 89.5 x 37 x 26.5 mm (LWH) = 88ml



Easy installation

Remove just one screw to unmount the two chassis covers.



Optional VESA mount (Accessory PV01)

Its optional VESA75/100 wallmount allows it to be installed on to walls or just affixed on the rear side of a monitor which is particularly interesting for the industry segment, company buildings and public institutions.



Note on operating position

Please make sure the system is always placed upright using either its stand or the optional VESA mount. Ventilation holes must not be blocked to ensure sufficient cooling.

Shuttle® XS35/GT Product Overview

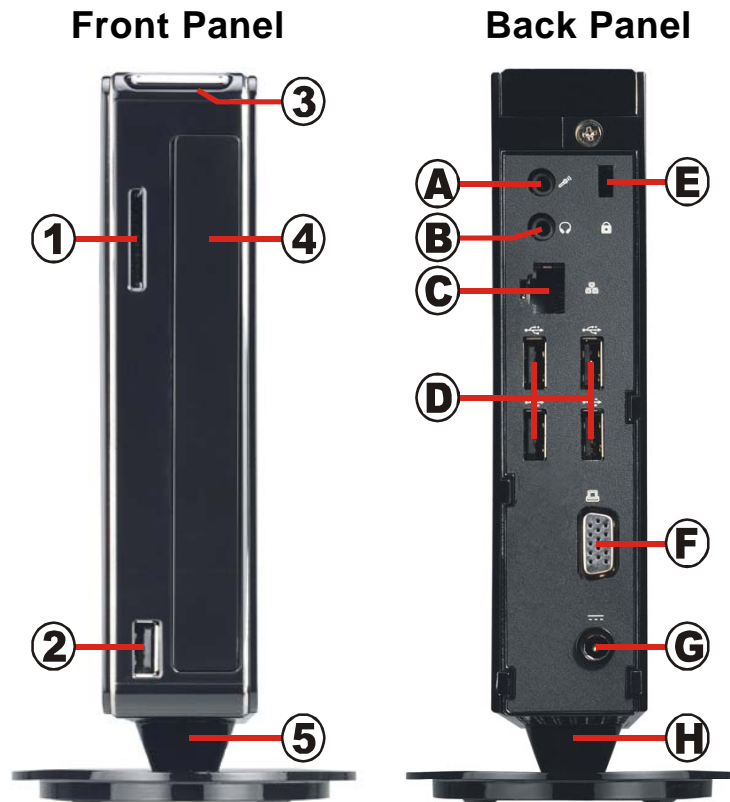
Graphics	Model name	Type	Operation System	Memory	Hard Disk	DVD R/W	Bar Code
Integrated (IGP) Intel GMA3150 VGA	XS35	Barebone	–	–	–	–	811686003274
	XS35-703	System	–	2 GB DDR2	160 GB	–	811686007920
	XS35-704	System	–	2 GB DDR2	320 GB	Yes	811686007937
	XS 3500BA	System	Windows 7 Prof.	2 GB DDR2	160 GB	–	4046047102181
	XS350VA	System	OpenSUSE Linux	2 GB DDR2	160 GB	–	4046047102204
Next Generation NVIDIA ION HDMI + VGA	XS35GT	Barebone	–	–	–	–	811686003281
	XS35GT-804	System	–	2 GB DDR2	500 GB	Yes	811686007982
	XS 3510MA	System	Win 7 Home Premium	2 GB DDR2	500 GB	Yes	4046047102198

Shuttle Barebone XS35 Specifications

<i>Chassis</i>	<p>Dimensions without stand: 25.2 x 16.2 x 3.85 cm (DxHxW) = 1,57 litre</p> <p>Dimensions with stand: 25.2 x 18.5 x 10.04 cm (DxHxW)</p> <p>Weight: 1.8 kg net, 2.5 kg gross</p> <p>Hole for the Kensington Lock at the back panel</p> <p>Optional accessory: 75mm and 100mm VESA mounting kit (PV01)</p> <p>Warning: Please make sure the system is always placed upright using either its stand or the optional VESA mount.</p> <p>Ventilation holes must not be blocked to ensure sufficient cooling.</p>
<i>Operation System</i>	<p>This system comes without operating system.</p> <p>It is compatible with Windows 7, Windows XP and Linux</p>
<i>Processor</i>	<p>Intel Dual-Core Atom processor D510 (Codename: Pineview-D)</p> <p>45nm manufacturing process, FCBGA559</p> <p>Intel Hyper-Threading technology: 2-threads per core</p> <p>Intel 64 architecture, Core clock: 1.66GHz, L2 Cache: 1024kB , TDP: max. 15W</p> <p>Integrated North Bridge with controller for memory and graphics</p>
<i>Cooling</i>	<p>Passive, completely fanless cooling</p>
<i>Chipset</i>	<p>Intel® NM10 Express Chipset Platform Controller Hub (PCH)</p> <p>Code name: Tiger Point</p>
<i>BIOS</i>	<p>AMI BIOS in a 2Mbit Flash ROM supports PnP, ACPI 3.0</p> <p>Supports external USB flash memory card boot up</p>
<i>Memory</i>	<p>Supports one module DDR2-667/800 (PC5300/6400), max. 2GB</p> <p>SO-DIMM slot with 200 pins</p>
<i>Optical drive (opt.)</i>	<p>SATA 2.0 connector supports up to 3Gbit/s (300 MB/s)</p> <p>Support an optical DVD or Blu-ray slim-line drive</p> <p>Slimline SATA connector, 12.7mm height</p>
<i>Hard disk drive</i>	<p>SATA 2.0 connector supports up to 3Gbit/s (300 MB/s)</p> <p>Supports one SATA hard disk or one SATA SSD drive in 6.35cm/2.5" format, max. 5400 RPM</p> <p>Supports a drive with 9.5mm height (12.5mm is not supported).</p> <p>The optional accessory PHD2 supports a second 2.5" hard disk (the bay for the optical drive will be occupied then)</p>

<i>Integrated Graphics</i>	<p>The Graphics Processing Unit (GPU) is integrated into the processor</p> <p>Intel GMA 3150, 400MHz render clock frequency</p> <p>Intel Dynamic Video Memory Technology 4.0 (DVMT 4.0)</p> <p>Share system memory max. 256MB, supports DirectX 9 and 2D/3D instruction set, Pixel Shader 2.0, MPEG2 hardware acceleration</p> <p>Intel Clear Video / ProcAmp technology allows user adjustment of hue, saturation, brightness and contrast</p> <p>Analog VGA: supports up to 2048x1536, 60Hz resolution</p>
<i>Integrated Audio</i>	<p>IDT92HD81 Audio Codec with Azalia support</p> <p>Two analog audio connectors (3.5mm):</p> <ol style="list-style-type: none"> 1) Line out (head phone) 2) microphone input
<i>Card Reader</i>	<p>Integrated card reader supports SD and SDHC memory flash cards</p>
<i>Wired Network</i>	<p>RJ45 connector supports 10/100 Mbit/sec.</p> <p>PCI-Express x1 interface</p> <p>Supports Deep Sleep Mode (DSM)</p> <p>Combo controller JMC261 (for LAN and card reader)</p>
<i>Wireless Network</i>	<p>Supports IEEE 802.11b/g/n</p> <p>Half size Mini-PCIe-Card</p>
<i>Connectors</i>	<p>VGA Analog Video (D-Sub 15 pol., analog)</p> <p>5x USB 2.0 (1x front, 4x rear)</p> <p>Network (LAN, RJ45)</p> <p>Audio Line-out (head phone)</p> <p>Microphone input</p> <p>DC input for power adapter</p>
<i>LEDs and Buttons</i>	<p>Power button</p> <p>Power LED (white)</p> <p>Hard disk LED (blue)</p>
<i>Power supply</i>	<p>External 40W AC/DC power adapter (fanless)</p> <p>AC Input: 100~240V AC, 50~60Hz</p> <p>Dimensions: 89.5 x 37 x 26.5 mm (LWH)</p>
<i>Certification and Compliance</i>	<p>EMI: CE, FCC, BSMI, C-Tick</p> <p>Safety: CB, BSMI, ETL</p> <p>Other compliances: RoHS, Eup Lot6</p>

Shuttle Barebone XS35 – Connectors



- 1 SD card reader
- 2 USB connector
- 3 Power button with power and hard disk LED
- 4 Bay for optical slim drive *)
- 5 Stand

- A Microphone input
- B Head phone output (line out)
- C Network connector (RJ45)
- D 4x USB connectors
- E Hole for the Kensington lock
- F VGA connector
- G Connector for power adapter
- H Stand

*) Note: The optical drive is not included.



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