

### Only 38 mm thick, HD-ready, fanless and low power usage

The Shuttle Barebone XS35GT is a Mini-PC in the 1-litre class which, thanks to its shape can be easily fitted behind flat panel displays and therefore does not take up any space. Intel's Atom D510 Dual Core Processor (2x 1.66 GHz) and the NM10 Express chipset serve as the energy-saving hardware platform. A high-performance Next-Generation NVIDIA ION graphics card (ION2) provides streaming 3D and video playback. Thanks to the HDMI connection there is also excellent sound and picture quality. Other front and rear connections include 5 x USB, VGA, LAN and Audio. For wireless communication, WLAN (n) is already integrated. The small casing has room for a card reader, a 2,5" hard disk and optical slimline drive. The XS35GT is 100% passively cooled, and thus virtually noiseless.

### Barebone **XS35GT** Ultra-Small-Form-Factor-PC



#### Feature Highlights

|                            |  |
|----------------------------|--|
| <b>Chassis</b>             | <ul style="list-style-type: none"> <li>Slim 1.5 litre chassis</li> <li>Dimensions: 25.2 x 16.2 x 3.84 cm</li> <li>Hole for the Kensington Lock</li> <li>Optional: VESA75/100 mounting kit PV01</li> </ul>                          |
| <b>Operating system</b>    | <ul style="list-style-type: none"> <li>Without operating system (compatible with Windows 7 and Windows XP)</li> </ul>  |
| <b>CPU</b>                 | <ul style="list-style-type: none"> <li>Intel ATOM 510 Dual Core (Pineview-D)</li> </ul>  |
| <b>Chipset</b>             | <ul style="list-style-type: none"> <li>Intel NM10 Express Chipset</li> </ul>   |
| <b>Graphics</b>            | <ul style="list-style-type: none"> <li>Discrete Next Gen. NVIDIA ION graphics, 512MB DDR3, HDMI and VGA outputs</li> </ul>   |
| <b>Memory</b>              | <ul style="list-style-type: none"> <li>1x SO-DIMM socket</li> <li>Supports max. 2GB DDR2-667/800</li> </ul>  |
| <b>Storage</b>             | <ul style="list-style-type: none"> <li>Supports slim-line DVD or Blu-ray drive</li> <li>Supports 2.5" SATA hard disk or SSD</li> <li>With SD card reader</li> </ul>  |
| <b>Connectors and WLAN</b> | <ul style="list-style-type: none"> <li>HDMI (Digital Video &amp; Digital Audio)</li> <li>D-Sub VGA</li> <li>5x USB 2.0 (1x front, 4x rear)</li> <li>Microphone input, Headphones output</li> <li>LAN, WLAN 802.11 b/g/n</li> </ul> |
| <b>Power supply</b>        | <ul style="list-style-type: none"> <li>External 40W fanless power supply</li> </ul>  |
| <b>Applications</b>        | <ul style="list-style-type: none"> <li>Basic and Home-Media</li> </ul>   |



Order number:  
PEB-XS35G001

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



©2010 by Shuttle Computer Handels GmbH (Germany). All information subject to change without notice. Pictures for illustration purposes only.

## Shuttle Barebone XS35GT - 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 XS35GT 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.

### The Atom processor integrates the memory controller

Shuttle XS35GT 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.

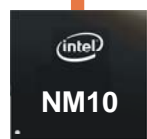
Intel Atom D510  
Dual Core



DDR2 SO-DIMM



Next Generation  
ION graphics



### 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.

### Next Generation ION graphics

Even with the small size, the Shuttle Barebone XS35GT is equipped with NVIDIA's Next Generation ION graphics for a power-packing slim PC that's unmatched in size and performance – and is made for more than just entertainment. Key benefits are:

- Digital HDMI output to connect to large displays
- Digital Audio output over HDMI
- Experience video playback at full-HD 1080p resolution
- Ready to take on games
- HDMI and VGA supports dual view (clone or extended mode)



### 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 XS35GT with ease.



### What does "Barebone" mean?

Shuttle's barebones line such as the XS35GT 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 or Blu-ray drive with 12.7mm height
- Operating system (Windows 7, Windows XP or Linux)



### Highly energy-saving

The XS35GT barely consumes, depending on system load, about 20.5~29 Watts. Running the device\*) 5 days a week for eight hours a day, the annual consumption would amount to approx. 60kWh which would mean just 12 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, 500GB hard disk, DVD drive and Windows 7



### XS35GT supports Blu-ray

The XS35GT with Next Generation NVIDIA® ION™ graphics offers a plus in performance - experience videos and Blu-ray \*) movies at full-HD 1080p quality. The Shuttle Barebone XS35GT even takes on games. Benefit from an increase in performance when playing and converting videos, editing images and working with different applications at once. With NVIDIA® ION you get the maximum out of Windows 7.

\*) Slim-line Blu-ray drive and appropriate software required



### 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.)



### 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)<br>Intel GMA3150<br>VGA    | <b>XS35</b>       | Barebone | –                  | –         | –         | –       | 811686003274  |
|   | <b>XS35-703</b>   | System   | –                  | 2 GB DDR2 | 160 GB    | –       | 811686007920  |
|   | <b>XS35-704</b>   | System   | –                  | 2 GB DDR2 | 320 GB    | Yes     | 811686007937  |
|   | <b>XS 3500BA</b>  | System   | Windows 7 Prof.    | 2 GB DDR2 | 160 GB    | –       | 4046047102181 |
| Next Generation<br>NVIDIA ION<br>HDMI + VGA | <b>XS350VA</b>    | System   | OpenSUSE Linux     | 2 GB DDR2 | 160 GB    | –       | 4046047102204 |
|   | <b>XS35GT</b>     | Barebone | –                  | –         | –         | –       | 811686003281  |
|   | <b>XS35GT-804</b> | System   | –                  | 2 GB DDR2 | 500 GB    | Yes     | 811686007982  |
|   | <b>XS 3510MA</b>  | System   | Win 7 Home Premium | 2 GB DDR2 | 500 GB    | Yes     | 4046047102198 |



## Shuttle Barebone XS35GT Specifications

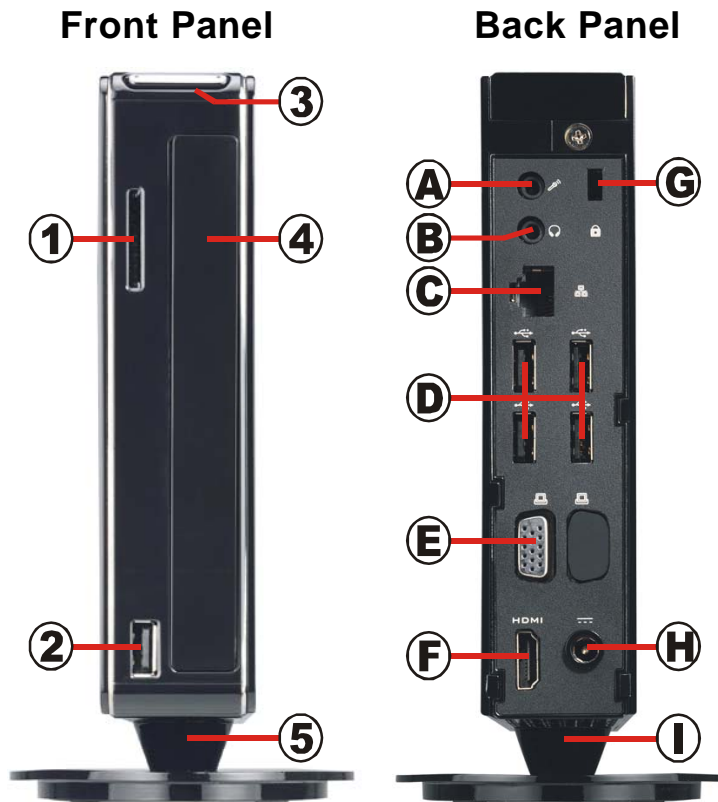
|                             |  |
|-----------------------------|--|
| <b>Chassis</b>              | <p>Dimensions without stand: 25.2 x 16.2 x 3.85 cm (DxHxW) = 1,57 litre<br/>                 Dimensions with stand: 25.2 x 18.5 x 10.04 cm (DxHxW)<br/>                 Weight: 1.8 kg net, 2.5 kg gross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

©2010 by Shuttle Computer Handels GmbH (Germany). All information subject to change without notice. Pictures for illustration purposes only.

|  |   |
|--|---|
| <p><i>Discrete Graphics</i></p>            | <p>Graphics processor: Next Generation NVIDIA ION<br/>                 Power consumption: TDP = 12 Watts<br/>                 Video RAM: 512MB DDR3, DirectX 10.1<br/>                 Two display ports:<br/>                 - Digital HDMI v1.3 output (DVI via adapter), max. 2560 x 1600<br/>                 - Analog VGA output, max. 2048 x 1536<br/>                 - Supports Extended Desktop Mode and Clone Mode<br/>                 NVIDIA PureVideo HD supports full HD decode (1080i/p)<br/>                 Supports Blu-ray play back in combination with an optional slim-line Blu-ray drive and appropriate software</p> |
| <p><i>Integrated Audio</i></p>             | <p>IDT92HD81 Audio Codec with Azalia support<br/>                 Two analog audio connectors (3.5mm):<br/>                 1) Line out (head phone)<br/>                 2) microphone input<br/>                 Digital Audio via HDMI port</p>  |
| <p><i>Card Reader</i></p>                  | <p>Integrated card reader supports SD and SDHC memory flash cards</p>   |
| <p><i>Wired Network</i></p>                | <p>RJ45 connector supports 10/100 Mbit/sec.<br/>                 PCI-Express x1 interface<br/>                 Supports Deep Sleep Mode (DSM)<br/>                 Combo controller JMC261 (for LAN and card reader)</p>  |
| <p><i>Wireless Network</i></p>             | <p>Supports IEEE 802.11b/g/n<br/>                 Half size Mini-PCIe-Card</p>  |
| <p><i>Connectors</i></p>                   | <p>HDMI v1.3 supports Digital Video and Digital Audio<br/>                 VGA Analog Video (D-Sub 15 pol., analog)<br/>                 5x USB 2.0 (1x front, 4x rear)<br/>                 Network (LAN, RJ45)<br/>                 Audio Line-out (head phone)<br/>                 Microphone input<br/>                 DC input for power adapter</p>   |
| <p><i>LEDs and Buttons</i></p>             | <p>Power button<br/>                 Power LED (white), Hard disk LED (blue)</p>  |
| <p><i>Power supply</i></p>                 | <p>External 40W AC/DC power adapter (fanless)<br/>                 AC Input: 100~240V AC, 50~60Hz<br/>                 Dimensions: 89.5 x 37 x 26.5 mm (LWH)</p>  |
| <p><i>Certification and Compliance</i></p> | <p>EMI: CE, FCC, BSMI, C-Tick<br/>                 Safety: CB, BSMI, ETL<br/>                 Other compliances: RoHS, Eup Lot6</p>   |

©2010 by Shuttle Computer Handels GmbH (Germany). All information subject to change without notice. Pictures for illustration purposes only.

Shuttle Barebone XS35GT – 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 VGA connector
- F HDMI connector
- G Hole for the Kensington lock
- H Connector for power adapter
- I Stand

Notes: The right D-sub port will not be functional and be covered with a cap.  
 \*) The optical drive is not included.



**Warning:**  
 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.



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