

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

To put it in a nutshell, the Shuttle XS 3500BA 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 XS 3500BA has an Intel Atom D510 dual-core processor (2x 1.66 GHz) beating at its heart while also using integrated graphics. Because of its completely fanless case layout, it is virtually maintenance-free and noiseless. The 38mm thin system comes with 2GB memory, a 160GB hard disk with Windows 7 Professional, WLAN (n) and a card reader. It sports an array of connectors too which include 5x USB, VGA, Ethernet and audio ports.

### System **XS 3500BA** Ultra-Small-Form-Factor-PC



Fanless



#### Feature Highlights

Chassis	<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>
Operating system	<ul style="list-style-type: none"> <li>Microsoft 7 Professional</li> </ul>
CPU	<ul style="list-style-type: none"> <li>Intel ATOM D510 Dual Core (Pineview-D)</li> </ul>
Chipset	<ul style="list-style-type: none"> <li>Intel NM10 Express Chipset</li> </ul>
Graphics	<ul style="list-style-type: none"> <li>Integrated Intel GMA3150 Graphics</li> </ul>
Memory	<ul style="list-style-type: none"> <li>2GB DDR2-667 SO-DIMM module</li> </ul>
Storage	<ul style="list-style-type: none"> <li>160 GB SATA hard disk (2.5")</li> <li>With SD card reader</li> </ul>
Connectors and WLAN	<ul style="list-style-type: none"> <li>D-Sub VGA</li> <li>5x USB 2.0 (1x front, 4x rear)</li> <li>Microphone input</li> <li>Headphones output (Line-out)</li> <li>LAN</li> <li>WLAN 802.11 b/g/n</li> </ul>
Power supply	<ul style="list-style-type: none"> <li>External 40W fanless power supply</li> </ul>
Applications	<ul style="list-style-type: none"> <li>Basic and Home-Media</li> </ul>



Bestellnummer:  
PET-XS350BA1

Images are only for illustration purposes.  
An 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 Ultra-Small-Form-Factor-PC XS 3500BA - 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 XS 3500BA 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.

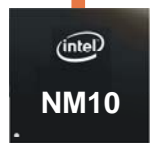
**Intel Atom D510  
Dual Core**



**DDR2  
SO-DIMM**



**Video out**



**Chipset**



### The new Atom processor integrates the graphics controller

Shuttle XS 3500BA 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 XS 3500BA 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



### 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 XS 3500BA 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 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.

## Shuttle XS 3500BA 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>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>Microsoft Windows 7 Professional</p> <p>9 languages available: German, English, French, Dutch, Italian, Spanish, Swedish, Finnish, Danish</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</p> <p>L2 Cache: 1024kB, TDP: max. 15W</p> <p>Integrated North Bridge with controller for memory and graphics</p>
<i>Cooling</i>	Passive, completely fanless cooling
<i>Chipset</i>	Intel® NM10 Express Chipset Platform Controller Hub (PCH), Code name: Tiger Point
<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>2048MB DDR2-667 (PC5300)</p> <p>One SO-DIMM module with 200 pins</p>
<i>Optical drive</i>	<p>Open bay supports one optical drive in slimline format</p> <p>Serial ATA interface, 12.7mm height (optical drive not built in)</p>
<i>Hard disk drive</i>	160GB Serial ATA hard disk 6.35cm/2.5" format (5400 RPM)
<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</p> <p>Supports DirectX 9 and 2D/3D instruction set, Pixel Shader 2.0</p> <p>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>

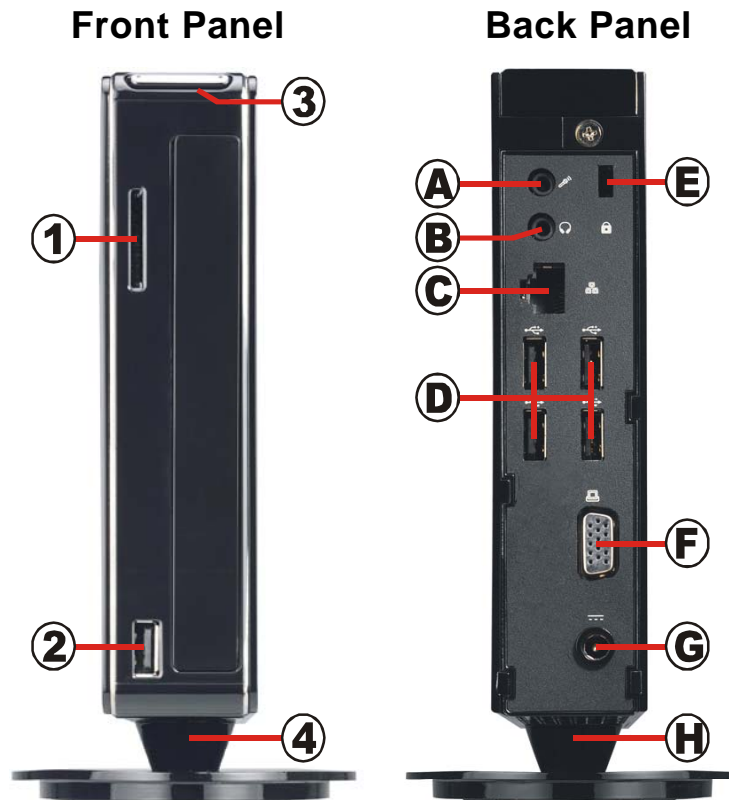
<b>Integrated Audio</b>	IDT92HD81 Audio Codec with Azalia support Two analog audio connectors (3.5mm): 1) Line out (head phone) 2) microphone input
<b>Card Reader</b>	Integrated card reader supports SD and SDHC memory flash cards
<b>Wired Network</b>	RJ45 connector supports 10/100 Mbit/sec. PCI-Express x1 interface Supports Deep Sleep Mode (DSM) Combo controller JMC261 (for LAN and card reader)
<b>Wireless Network</b>	Supports IEEE 802.11b/g/n Half size Mini-PCIe-Card
<b>Connectors</b>	VGA Analog Video (D-Sub 15 pol., analog) 5x USB 2.0 (1x front, 4x rear) Network (LAN, RJ45) Audio Line-out (head phone) Microphone input DC input for power adapter
<b>LEDs and Buttons</b>	Power button Power LED (white) Hard disk LED (blue)
<b>Power supply</b>	External 40W AC/DC power adapter (fanless) AC Input: 100~240V AC, 50~60Hz
<b>Certification and Compliance</b>	EMI: CE, FCC, BSMI, C-Tick Safety: CB, BSMI, ETL Other compliances: RoHS, Eup Lot6

## Shuttle® XS35/GT Product Overview

Graphics	Model name	Type	Operation System	Memory	Hard Disk	DVD R/W	Bar Code
<b>Integrated (IGP) Intel GMA3150 VGA</b>	<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	Win 7 Professional	2 GB DDR2	160 GB	–	4046047102181
	<b>XS350VA</b>	System	OpenSUSE Linux	2 GB DDR2	160 GB	–	4046047102204
<b>Next Generation NVIDIA ION HDMI + VGA</b>	<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 XS 3500BA – Connectors



- 1 SD card reader
- 2 USB connector
- 3 Power button with power and hard disk LED
- 4 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.



### 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.



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

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