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

To put it in a nutshell, the Shuttle XS350VA V2 is an extremely slim and ergonomic Mini PC that works highly energy-efficiently. With a power consumption that is barely worth mentioning, its noise level is close to zero. The XS350VA V2 has an Intel Atom D525 dual-core processor (2x 1.8 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 DDR3 memory, a 320 GB hard disk with OpenSUSE as operating system, WLAN (n) and a card reader. It sports an array of connectors too which include 5x USB, VGA, Gigabit LAN and audio ports.

**XS350VA V2**

**Slim PC**

*PC System with Linux*

*Fanless*




## Feature Highlights

| | |
|---|---|
| *Chassis* | • Slim 1.5 litre chassis<br>• Dimensions: 25.2 x 16.2 x 3.84 cm<br>• Hole for the Kensington Lock<br>• Optional: VESA75/100 mounting kit PV01 |
| Operating system | • OpenSUSE Linux, powered by Novell |
| CPU | • Intel ATOM 525 Dual Core (2x 1.8GHz) |
| Chipset | • Intel NM10 Express Chipset |
| Graphics | • Integrated Intel GMA3150 Graphics |
| Memory | • 2GB DDR3 SO-DIMM (204 Pins) |
| Storage | • 320 GB hard disk, Serial ATA, 2.5“ format<br>• SD card reader |
| Connectors and WLAN | • D-Sub VGA<br>• 5x USB 2.0 (1x front, 4x rear)<br>• Microphone input<br>• Headphones output (Line-out)<br>• Gigabit-LAN<br>• WLAN 802.11 b/g/n |
| Power supply | • External 40W fanless power supply |
| Applications | • Business, Basic Home Media |

Images are only for illustration purposes.
Product name: **XS350VA V2**
Order number: **PEV-XS352VA1**

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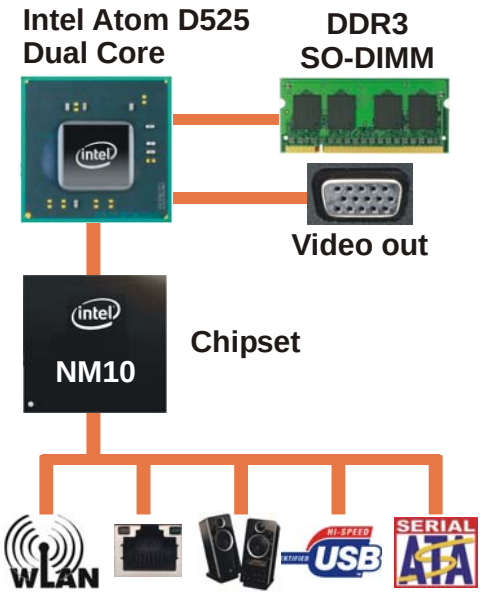
# Shuttle Barebone XS35-703 V2 - Product Features

## 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 XS35-703 V2 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 graphics controller

Shuttle XS35-703 V2 is equipped with Intels new Atom D525 processor (1,8GHz, 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 D525. This boosts the system performance significantly with particular regards to multi-threaded applications.


## Highly energy-saving

The XS35-703 V2 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, 320 GB hard disk and Windows 7





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## 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 XS35-703 V2 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 tieing 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

## 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.





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# Shuttle Barebone XS35-703 V2 Specifications

| | |
|---|---|
| *Fanless and silent* | Passive cooling, no fan noise at all<br>Perfect to be used in noise-sensitive environments<br>Fanless, dust-free and thus virtually maintenance-free |
| *Energy saving* | Power consumption: ca. 16W (idle mode) and ca. 20W (full load) |
| *Chassis* | 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. |
| *Operation System* | OpenSUSE Linux, powered by Novell |
| *Processor* | Intel Dual-Core Atom processor D525 (Codename: Pineview-D)<br>45nm manufacturing process, FCBGA559<br>Intel Hyper-Threading technology: 2-threads per core<br>Intel 64 architecture, Core clock: 2x 1.8GHz, L2 Cache: 1024kB , TDP: max. 13W<br>Integrated North Bridge with controller for memory and graphics |
| *Cooling* | Passive, completely fanless cooling |
| *Chipset* | Intel® NM10 Express Chipset Platform Controller Hub (PCH), Code name: Tiger Point |
| *BIOS* | AMI BIOS in a 2Mbit Flash ROM supports PnP, ACPI 3.0<br>Supports external USB flash memory card boot up |
| *Memory* | 2 GB DDR3 SO-DIMM memory (204 pins) |
| *Hard disk drive* | 320 GB Serial ATA hard disk drive<br>6.35cm/2.5" format, 5400 rpm, 9.5mm height |
| *Free bay* | Support an optical DVD slim-line drive (not included)<br>Serial ATA interface, 12.7mm height, Slimline SATA connector |





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|---|---|
| *Integrated Graphics* | The Graphics Processing Unit (GPU) is integrated into the processor<br>Intel GMA 3150, 400MHz render clock frequency<br>Intel Dynamic Vidieo Memory Technology 4.0 (DVMT 4.0)<br>Share system memory max. 256MB<br>Supports DirectX 9 and 2D/3D instruction set, Pixel Shader 2.0<br>MPEG2 hardware acceleration, Intel Clear Video / ProcAmp technology allows user adjustment of hue, saturation, brightness and contrast<br>Analog VGA: supports up to 2048x1536, 60Hz resolution |
| *Integrated Audio* | IDT92HD81 Audio Codec with Azalia support<br>Two analog audio connectors (3.5mm):<br>1) Line out (head phone)<br>2) microphone input |
| *Card Reader* | Integrated card reader supports SD, SDHC and SDXC memory flash cards |
| *Wired Network* | RJ45 connector supports Gigabit LAN at 10/100/1000 Mbit/sec.<br>Supports Deep Sleep Mode (DSM) |
| *Wireless Network* | Supports IEEE 802.11b/g/n (Realtek RTL8188CE)<br>Half size Mini-PCIe-Card |
| *Connectors* | VGA Analog Video (D-Sub 15 pol., analog)<br>5x USB 2.0 (1x front, 4x rear)<br>Gigabit Network (LAN, RJ45)<br>Audio Line-out (head phone)<br>Microphone input<br>DC input for power adapter |
| *LEDs and Buttons* | Power button<br>Power LED (white), Hard disk LED (blue) |
| *Power supply* | 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) |
| *Certificatio/ Compliance* | EMI: CE, FCC, BSMI, C-Tick; Safety: CB, BSMI, ETL<br>Other compliances: RoHS, Eup Lot6 |
| *Environmen-tal Spec* | Operating temperature range: 0~35°C |
| *Conformity* | This device is classed as a technical information equipment (ITE) in class B and is intended for use in living room and office. The CE-mark approves the conformity by the EU-guidelines:<br>- EMV-guideline 89/336/EWG electromagnetic tolerance<br>- LVD-guideline 73/23/EWG use of electric devices within certain voltage-limits |




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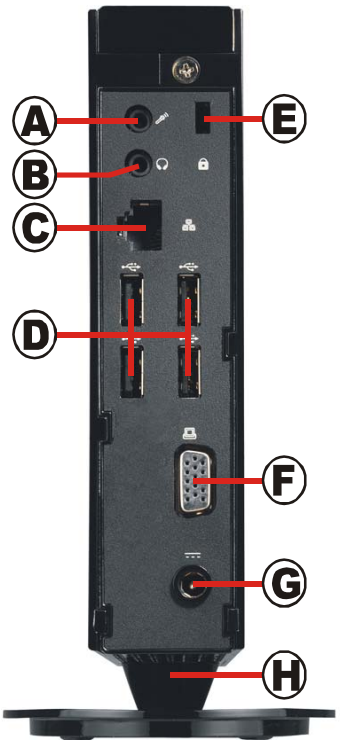
# Shuttle Barebone XS35-703 V2 – Connectors

## Front Panel


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

## Back Panel




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.





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