Fanless 1-litre slim PC
with Windows 7 Professional

XS 3500BA V3
Slim PC

XS 3500BA V3 is a fully configured slim PC with 2 GB RAM, 320 GB hard disk and Windows 7 Professional operating system.. The Atom D2700 processor clocked at 2x 2.13 GHz offers sufficient computing power for a wide range of possible applications and the system barely consumes about 16~20 Watts. This PC comes totally fanless making it perfect to be used in noise-sensitive environments. XS 3500BA V3 features WLAN and card reader, and sports an array of connectors too which include HDMI, D-Sub (VGA), 5x USB, VGA, Gigabit-LAN and 2x audio ports. It's a slim and stylish PC targeted for daily home or office applications, as well as for purely network-based applications in client/server environments.

Fanless

Windows 7 Professional

Feature Highlights

Chassis	• Slim 1.5 litre chassis • Dimensions: 25.2 x 16.2 x 3.85 cm • Hole for the Kensington Lock • Optional: VESA75/100 mounting kit PV01
Operating system	• Windows 7 Professional (32 bit)
CPU	• Intel Atom D2700 Dual Core (2.13GHz)
Chipset	• Intel NM10 Express Chipset
Graphics	• Integrated Intel GMA3650 Graphics • Shared Memory: max. 384MB DVMT
Memory	• 2 GB DDR3-1333 SO-DIMM memory
Storage	• 320 GB 2.5" Serial ATA hard disk • With SD card reader
Connectors and WLAN	• HDMI v1.3 • D-Sub VGA • 5x USB 2.0 (1x front, 4x rear) • 2x Audio (mic, head phone) • Gigabit-LAN • WLAN 802.11 b/g/n
Power supply	• External 40W fanless power supply
Applications	• Basic and Home-Media

Images are only for illustration purposes.

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Shuttle order no: PET-XS353BA1

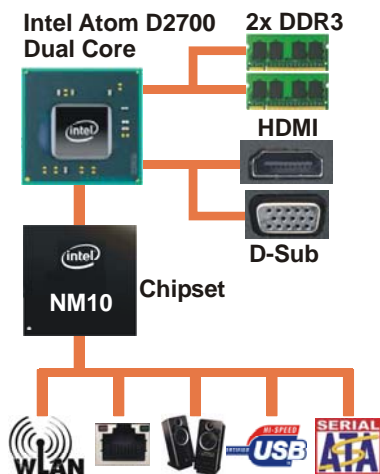# Shuttle Barebone XS 3500BA V3 - Product Features

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 XS 3500BA V3 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.
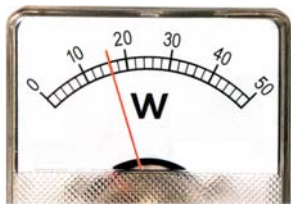
Intel Atom D2700 Dual Core
2x DDR3
HDMI
D-Sub
NM10 Chipset
WLAN
USB
SERIAL ATA

The Atom processor integrates the graphics controller

Shuttle XS 3500BA V3 is equipped with Intels Atom D2700 processor (2,13GHz, codenamed Cedarview). 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 D2700. This boosts the system performance significantly with particular regards to multi-threaded applications.

Highly energy-saving

The XS 3500BA V3 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.

Two monitor support with HDMI (DVI) and D-Sub/VGA

The integrated graphics supports multiple display support on up to two separate monitors via HDMI (DVI through optional adapter) and D-Sub/VGA. This improves the capabilities and productivity of the user by allowing them to spread multiple windows over two monitors and view them simultaneously.

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 V3 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.
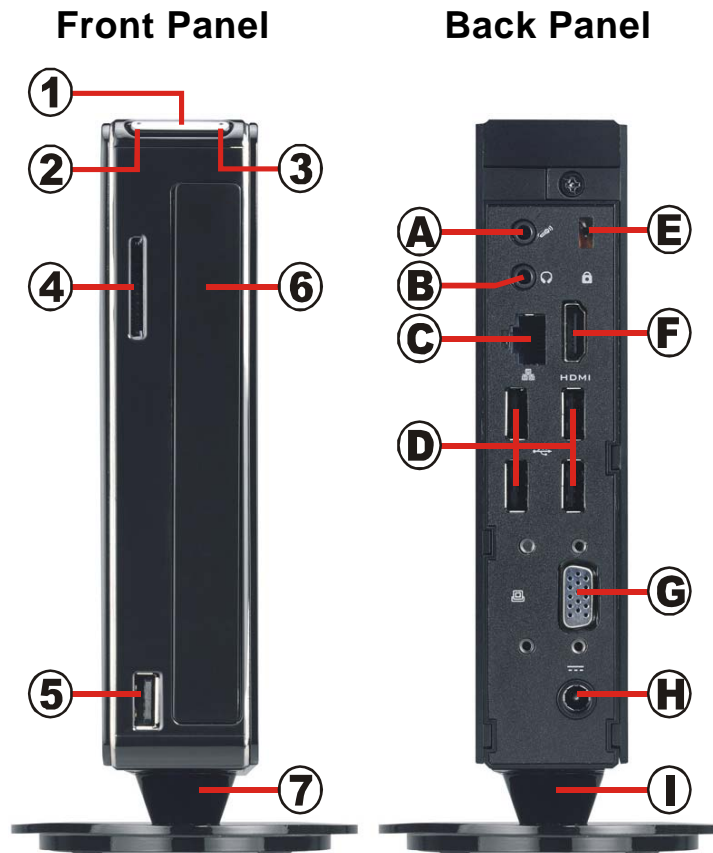
XS35V3 Series Overview

Name	Order number	Graphics	Operating system	Memory	Hard disk	Optical drive	Bar code
XS35 V3	PEB-XS35U301	Intel GMA 3650	-	-	-	-	811686003786
XS35GTA V3	PEB-XS35A301	AMD Rad. HD 7410M	-	-	-	-	811686003717
XS35-703 V3	PEC-XS35U301	Intel GMA 3650	-	2 GB	320 GB	-	4046047102440
XS35GTA-803 V3	PEC-XS35A311	AMD Rad. HD 7410M	-	2 GB	320 GB	-	4046047102457
XS35GTA-804 V3	PEC-XS35A301	AMD Rad. HD 7410M	-	2 GB	500 GB	DVD R/W	4046047102464
XS 3500BA V3	PET-XS353BA1	Intel GMA 3650	Win 7 Professional	2 GB	320 GB	-	4046047102396
XS 3520MA V3	PET-XS353MA2	AMD Rad. HD 7410M	Win 7 Home Prem. 32 bit	2 GB	500 GB	DVD R/W	4046047102402

Shuttle Barebone XS 3500BA V3 Specifications

Fanless and silent	Passive cooling, no fan noise at all Perfect to be used in noise-sensitive environments Fanless, dust-free and thus virtually maintenance-free
Chassis	Dimensions without Stand: 25.2 x 16.2 x 3.85 cm (DxHxW) Hole for the Kensington Lock at the back panel Optional accessory: 75mm and 100mm VESA mounting kit (PV01)
Operation System	Windows 7 Professional (32 bit)
Processor	Intel Dual Core Atom processor D2700 (Codename: Cedarview) Intel Hyper-Threading technology: 2-threads per core 32 nm manufacturing process, Micro-FCBGA11 package Intel 64 architecture, Core clock: 2.13 GHz, L2 Cache: 1024kB , TDP: max. 10W Supports SSE2, SSE3, SSSE3, Execute Disable Bit Integrated North Bridge with controller for memory and graphics
Cooling	Passive, completely fanless cooling through convective heat transfer 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.
Chipset	Intel® NM10 Express Chipset (south bridge) Platform Controller Hub (PCH) Code name: Tiger Point
BIOS	AMI BIOS in a 8Mbit Flash ROM supports PnP, ACPI 2.0 Supports external USB flash memory card boot up Supports Power fail resume / AC power on state / always on / always off Supports Wake-on-LAN (WOL) from S3, S3, S5 ACPI states Supports Unified Extensible Firmware Interface (UEFI)
Memory	2 GB DDR3-1333 SO-DIMM memory (at DDR3-1066 speed) Supported maximum capacity: 4 GB
Hard disk	320 GB 2.5" Serial ATA hard disk
Integrated Graphics	The Graphics Processing Unit (GPU) is integrated into the processor Intel GMA 3650, Graphics Base Frequency: 640 MHz, Supports DirectX 9 Maximum shared memory: 8MB pre-allocated plus 384MB Video Memory Technology (DVMT) Two video outputs: HDMI v1.3 and D-Sub (VGA) Supports dual display in clone or extended mode

Integrated Audio	Integrated Audio IDT92HD81 Audio Codec with Azalia support Two analog audio connectors (3.5mm): 1) Line out (head phone) 2) microphone input Supports digital 7.1 HD audio via the HDMI port.
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. Network controller JMC 251 Supports Wake-on-LAN (WOL) from S3, S3, S5 ACPI states
Wireless Network	Supports IEEE 802.11b/g/n, max. 150Mbps up-/downstream Security: WPA/WPA2(-PSK), WEP 64/128bit, IEEE 802.11x/i Half size Mini-PCIe-Card
Connectors	HDMI v1.3 digital video and audio output D-Sub/ VGA analog video (15 pin) 5x USB 2.0 (1x front, 4x rear) Gigabit network (LAN, RJ45) Audio Line-out (head phone) Microphone input DC input for the external power adapter
LEDs and buttons	Power button Power LED (white) Hard disk LED (blue)
Power supply	External 40W AC/DC power adapter (fanless), 19V / 2.1A AC Input: 100~240V AC, 50~60Hz, Automatic voltage adjust Dimensions: 89.5 x 37 x 26.5 mm (LWH) DC Connector: 5.5/2.5mm (outer/inner diameter)
Optional accessories	- VESA mount made of metal (PV01) - Adapter for second 2.5" drive instead of optical drive (PHD2)
Environmental spec	Operating temperature range: 0~35°C Relative humidity range: 10~90% (non-condensing)
Certification and Compliance	EMI: CE, FCC, BSMI, C-Tick, CCC Safety: CB, BSMI, ETL Other compliances: RoHS, Eup Lot6 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: - EMV-guideline 89/336/EWG electromagnetic tolerance - LVD-guideline 73/23/EWG use of electric devices within certain voltage-limits

Shuttle Barebone XS 3500BA V3 – Connectors

Front Panel

Back Panel

1	Power button	A	Microphone input
2	Power LED	B	Head phone output (Line out)
3	Hard disk LED	C	Gigabit LAN connector (RJ45)
4	SD card reader	D	4x USB connectors
5	USB connector	E	Hole for the Kensington-Lock
6	Bay for the optical slimline drive *)	F	HDMI connector
7	Vertical stand	G	D-Sub/VGA connector
		H	Connector for the power adapter
		I	Vertical 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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