X 6100B – Sandy Bridge performance packed into a 3-litre case

The ultra-compact Shuttle Slim-PC System X 6100B is the best choice for those seeking an inexpensive desktop PC which is significally smaller than a tower PC. The X 6100B's LGA1155 socket supports Intel's powerful Sandy Bridge processors that stand for superior integrated graphics performance and improved energy efficiency. The X 6100B also scores with an elegant design consisting of coated surfaces and shiny drive doors. Measuring merely 3.5 liters in volume, around a tenth of the size of a traditional tower PC, it is designed to provide the perfect balance of aesthetics and meeting daily computing demands in homes and offices.

Shuttle Slim-PC System
X 6100B

Windows 7

Feature Highlights

Slim-Design	• Slim 3.5 litre chassis, black • Dimensions: 24.2 x 20 x 7.3 cm (L/W/H)
Operating System	• Windows 7 Professional or Home Premium • 64 or 32 bit version, several languages
Processor	• With Core i7 / i5 / i3, Pentium or Celeron • 80mm processor fan
Chipset	• Intel H61 Express Chipset (B3 stepping)
Memory	• Up to 16 GB DDR3-1333
Graphics	• Integrated Intel HD graphics, DX 10.1 • Shared memory max. 1692MB (UMA) • Video-outputs: HDMI and D-Sub/VGA
Storage	• DVD writer or Blu-ray combo/writer • 2.5" hard disk or SSD storage
Other Connectors	• 5.1 HD Audio (7.1 digital audio via HDMI) • 6x USB 2.0 (4x rear, 2x front) • Gigabit LAN (RJ45), supports WOL, PXE • PS/2 keyboard and PS/2 mouse
Power Supply	• External 90W fanless power adapter
Application	• Basic home and office applications

Images for illustration purposes only. The optical drive and the vertical stand are optional components.

Product Overview

Name	Type	Operating system
XH61	Barebone	No
XH61XA	BTO System	No
X 6100B	BTO System	Windows 7

Shuttle Slim-PC System X 6100B – Product Features

A clean and modern 3-litre chassis

Shuttle has always placed great emphasis on the interior and exterior aesthetics of their Mini-PCs with the belief that a good blend of style and form factor allow the Mini-PC to be attractive, versatile and work well in almost any environment. And the X 6100B was designed just like that and shines in a clean and modern appearance. The optical drive and front panel connectors are elegantly concealed behind drive doors to provide maximum protection. This tiny tot barely stands 7.3 cm in height with a volume of 3.5 litres.
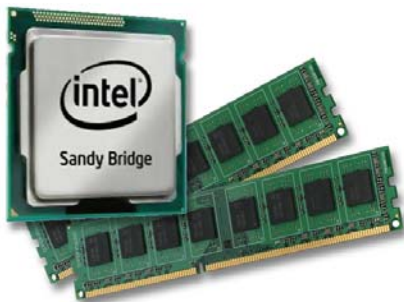
Mit Socket 1155 processors and up to 16 GB DDR3

A wide range of socket 1155 Intel processors is available starting from Celeron up to Core i7 processors with a maximum TDP of 65W. Plus, the system memory can be chosen accordingly to individual needs up to a maximum capacity of 16 GB DDR3 memory.

Great Connectivity

On the front, elegantly hidden from view behind drive doors, the panel reveals two USB 2.0 ports for external drives, MP3 players etc. There are also two 3.5mm jacks for headphone and microphone. In addition, the back panel offers a wide range of I/O connectivity as well.

Supports Dual View Technology

Dual View technology offers multiple display support on up to two separate monitors. This helps to improve on productivity by allowing for spreading multiple windows across two monitors while working with them simultaneously. X 6100B features two video outputs.

D-Sub (VGA)

HDMI

DVI-D

Video outputs

X 6100B features two video outputs: D-Sub/VGA and HDMI. With optional adapters DVI-D devices can be connected to the HDMI port.

D-Sub/VGA means analog video signals are put out.
HDMI supports digital video plus multi-channel digital audio output.
DVI-D means the connector only outputs digital video signals.

Kensington Lock

This is a small, metal-reinforced hole as part of an anti-theft system. (The lock and cable are not included)

Optional stand for vertical operation (PS01)

X 6100B is to be used in horizontal position as standard. With the optional stand accessory (PS01), it can also be placed in vertical position.

Optional VESA mount (PV02)

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

Socket 1155 processor overview with TDP max. 65W (October 2011)

Name	Model	Cores	HT	Clock	Turbo	Cache	TDP	Graphics	Graphics clock
Celeron	G440	1	-	1.6 GHz	-	1 MB	35W	HD	650~1000 MHz
	G530	2	-	2.4 GHz	-	2 MB	65W	HD	850~1000 MHz
	G530T	2	-	2.0 GHz	-	2 MB	35W	HD	650~1100 MHz
	G540	2	-	2.5 GHz	-	2 MB	65W	HD	850~1000 MHz
Pentium	G620T	2	-	2.2 GHz	-	3 MB	35W	HD	650~1100 MHz
	G620	2	-	2.6 GHz	-	3 MB	65W	HD	850~1100 MHz
	G630	2	-	2.7 GHz	-	3 MB	65W	HD	850~1100 MHz
	G630T	2	-	2.3 GHz	-	3 MB	35W	HD	650~1100 MHz
	G840	2	-	2.8 GHz	-	3 MB	65W	HD	850~1100 MHz
	G850	2	-	2.9 GHz	-	3 MB	65W	HD	850~1100 MHz
	G860	2	-	3.0 GHz	-	3 MB	65W	HD	850~1100 MHz
Core i3	2100T	2	Yes	2.5 GHz	-	3 MB	35W	HD 2000	650~1100 MHz
	2100	2	Yes	3.1 GHz	-	3 MB	45W	HD 2000	850~1100 MHz
	2105	2	Yes	3.1 GHz	-	3 MB	45W	HD 3000	850~1100 MHz
	2120	2	Yes	3.3 GHz	-	3 MB	45W	HD 2000	850~1100 MHz
	2120T	2	Yes	2.6 GHz	-	3 MB	35W	HD 2000	650~1100 MHz
	2125	2	Yes	3.3 GHz	-	3 MB	65W	HD 3000	850~1100 MHz
	2130	2	Yes	3.4 GHz	-	3 MB	65W	HD 2000	850~1100 MHz
Core i5	2390T	2	Yes	2.7 GHz	3.5 GHz	3 MB	35W	HD 2000	650~1100 MHz
	2400S	4	-	2.5 GHz	3.3 GHz	6 MB	65W	HD 2000	850~1100 MHz
	2405S	4	-	2.5 GHz	3.3 GHz	6 MB	65W	HD 3000	850~1100 MHz
	2500T	4	-	2.3 GHz	3.3 GHz	6 MB	45W	HD 2000	650~1250 MHz
	2500S	4	-	2.7 GHz	3.7 GHz	6 MB	65W	HD 2000	850~1100 MHz
Core i7	2600S	4	Yes	2.8 GHz	3.8 GHz	8 MB	65W	HD 2000	850~1100 MHz

K = unlocked, S = Performance optimized lifestyle, T = Power optimized lifestyle, HT = Hyper Threading
Intel HD graphics HD 3000/2000 supports 12/6 Execution Units (Shader-Quads) and DirectX 10.1
Please refer to the support list at global.shuttle.com for detailed processor support information.

Shuttle Slim-PC System X 6100B Specifications

Basis	This System is based on: Shuttle Slim-PC Barebone XH61 It is possible to modify certain components of this configuration. Please refer to the "Shuttle Systems Configurator".
Chassis	Nettop PC, slim X-type chassis, black Dimensions: 242 x 200 x 73 mm (LWH) = 3.5 litres Front doors for optical drive and front panel connectors Hole for the Kensington Lock at the back panel Operation position horizontal or vertical with the optional stand PS01
Operating System	Microsoft Windows 7 Home Premium or Professional, 32 or 64 bit version Available languages: English, German, French, Dutch, Italian, Spanish, Danish
Mainboard Chipset BIOS	Mini-iTX Mainboard "FH61": 17 x 17 cm Chipset: Intel® H61 Express Chipset (B3 stepping) AMI BIOS in 8Mbit EEPROM with SPI interface All capacitors are high quality solid capacitors Supports hardware monitoring and watch dog functionality Supports Unified Extensible Firmware Interface (UEFI) **) Supports resume after power failure
Processor	Intel Core i7, Core i5, Core i3, Pentium or Celeron Prozessor with socket 1155 (LGA 1155) Maximum power consumption: TDP = 65W max. Codename "Sandy Bridge", 32nm process technology
Processor Cooling	Provided processor cooler with fan. Fan: 80mm x 80 mm x 15mm (L x W x H) Temperature-controlled fan speed
Memory	Up to 16 GB DDR3-1333 memory Standard unbuffered DIMM with 240 pins
Optical Drive	Optional DVD Writer or Blu-ray Combo/Writer drive in Slimline form factor (Blu-ray drive including playback software)
HDD / SSD	Hard disk drive or SSD storage 2.5" form factor and SATA connector

Integrated Graphics	Intel® HD Graphics 2000/3000 integrated in the processor Supports Pixel Shader 4.1, DirectX 10.1 Maximum shared memory size: 1692MB HDMI 1.4*) port: max. resolution up to 1920x1200 @ 60Hz D-Sub port: max. resolution up to 2048x1536 @ 75Hz Supports dual independent display (dual view) Supports Full HD 1080p Blu-ray playback with HDCP via the HDMI port
Audio	Audio Realtek® ALC 887 codec Supports 7.1-channel High-Definition Audio Three analog audio connectors (3.5mm) at the Back-Panel: 1) Line out (active speakers or head phone) 2) Line input 3) Microphone input Digital audio output via HDMI
Gigabit LAN Controller	Realtek 8111E Ethernet network controller (Gigabit) Supports 10 / 100 / 1.000 MBit/s operation Supports WAKE ON LAN (WOL) Supports network boot by Preboot eXecution Environment (PXE)
Front Panel Connectors	Microphone input Audio Line-out (headphone) 2x USB 2.0 Power button Power LED (blue) HDD LED (yellow)
Back Panel Connectors	HDMI 1.4*) connector - supports DVI-D with optional adapter D-Sub VGA 4x USB 2.0 GigaBit LAN (RJ45) Audio Line-in Audio Line-out Audio Mic-in PS/2 keyboard PS/2 mouse Hole for Kensington Lock
Optional Accessories	Vertical stand (PS01) VESA mount (PV02)
Power Supply	External 90W power adapter (fanless) Input: 100~240V AC, 50/60 Hz Output: 19V DC, 4.74A, max. 90W Internal DC-DC daughter board
Warranty	24 Months Pick-Up-And-Return Service

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: - EMV-guideline 89/336/EWG electromagnetic tolerance - LVD-guideline 73/23/EWG use of electric devices within certain voltage-limits

*) HDMI version supported

HDMI 1.4 is only supported with 2nd Intel® Generation Core i3/i5/i7 Processors. Pentium and Celeron Processors support HDMI 1.3

**) Unified Extensible Firmware Interface (UEFI) - required when booting from hard disks larger than 2.2 TB under Windows 64 bit operating systems such as Windows 7, Windows Vista SP1 and Windows Server 2008/2003 SP1.

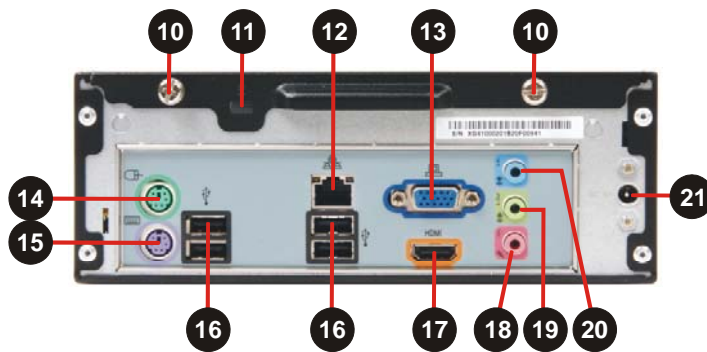## Shuttle Slim-PC System X 6100B – Front and Back Panel

Front Panel
1 Power Button
2 Power LED
3 Optical Slim DVD drive (optional)
4 Front door for optical drive
5 Front door for I/O connectors
6 2.5" hard disk drive or SSD
7 2x USB 2.0 ports
8 Microphone input
9 Headphone output

Back Panel
10 Two thumbscrews
11 Hole for Kensington Lock
12 Gigabit network port (RJ45)
13 D-Sub VGA video port
14 PS/2 mouse port
15 PS/2 keyboard port
16 4x USB 2.0 ports
17 HDMI – digital video/audio output
18 Microphone input
19 Headphone / line-out
20 Audio line-in
21 Connector for the power adapter

Shuttle Slim-PC X 6100B – Mainboard

Back Panel Connectors

Front panel audio connector

CMOS battery

S/PDIF out port

Front USB conn.

2x USB conn.

Front panel connectors

Intel H61 chipset

System fan connector

4x Serial ATA

ATX power (24 pin)

ATX power (4 pin)

All solid capacitors

Socket 1155 (for LGA1155 CPUs)

CPU fan connector

2x DIMM sockets (DDR3, 240 pins)