

### Smart budget solution for simple tasks

Shuttle's X-Series Barebone X27 is a value nettop platform in a very slim (7 cm) chassis. Its MiniITX mainboard comes with an energy-efficient Intel Atom processor. The chassis' fanless design helps to minimize power consumption, reduces heat and noise. Any connectors required for everyday computing needs such as DVI, 5.1 audio, Gigabit LAN and six USB connectors are present. The Shuttle X-Series Barebone X27 is right for anyone looking for an ultra-efficient, portable and silent SOHO platform.

### Shuttle X-Series Barebone

# X27



Images for illustration purposes only.

### Feature Highlight

|                         |  |
|-------------------------|--|
| <b>X chassis</b>        | <ul style="list-style-type: none"> <li>• Slim X-series chassis, black color</li> <li>• Dimensions: 25 x 18.5 x 7 cm (L/W/H)</li> <li>• Bays: 1x 2.5", 1x for slim optical drive</li> </ul> |
| <b>CPU</b>              | <ul style="list-style-type: none"> <li>• Intel ATOM 1.6GHz</li> </ul>  |
| <b>Chipset</b>          | <ul style="list-style-type: none"> <li>• Intel 945GC + ICH7</li> </ul>   |
| <b>Graphics</b>         | <ul style="list-style-type: none"> <li>• Integrated GMA950 graphics</li> <li>• 224MB Shared Memory</li> <li>• Digital DVI and analog VGA output</li> </ul>                                 |
| <b>Memory</b>           | <ul style="list-style-type: none"> <li>• 1x 240 pin DIMM socket</li> <li>• Supports max. 2GB DDR2-533/667</li> </ul>   |
| <b>Drive connectors</b> | <ul style="list-style-type: none"> <li>• 2x SATA II (3 Gbit/s)</li> <li>• 1x IDE ATA 100</li> </ul>  |
| <b>Other connectors</b> | <ul style="list-style-type: none"> <li>• 5.1 HD audio</li> <li>• USB 2.0 (4x rear, 2x front)</li> <li>• Gigabit LAN</li> <li>• Serial port, PS/2 ports</li> </ul>                          |
| <b>Power supply</b>     | <ul style="list-style-type: none"> <li>• External 60W fanless power supply</li> </ul>  |
| <b>Application</b>      | <ul style="list-style-type: none"> <li>• Business, Home</li> </ul>   |



## Shuttle X-Series Barebone X27 – Special Product Features



### Built-in Intel® Atom™ Processor

X27 is the first Shuttle Barebone PC which comes with integrated processor. The embedded Intel® Atom™ processor is based on an entirely new x86-design which consumes less than a few watts of power, but powerful enough to connect to business, enjoy entertainment and enable a big Internet experience.



### Intel® Graphics Media Accelerator 950

The Intel GMA 950 is an intelligent and responsive 256-bit graphics engine built into the chipset that is on the mainboard. It supports 224 MB maximum shared memory and 2048x1536 at 75 Hz maximum resolution.



### Dual View Technology with DVI and VGA

Dual View technology offers multiple display support on up to two separate monitors. This improves the capabilities and productivity of the user by allowing them to spread multiple windows over two monitors and view them simultaneously.



### DVI output

The Digital Visual Interface (DVI) allows the signal to stay the way it was intended to be all the way to the end display and this results in a far more compelling image that is razor sharp and wonderfully vibrant.



### Gigabit LAN Network

Today's media-rich communications across the Internet and within organizations are creating new demands on clients in Local Area Networks. For that reason Shuttle introduces the Gigabit LAN performance even in the business and entry level segment of their Mini-PC line.



### High speed USB 2.0 interface

The back panel provides 4 USB 2.0 ports which support up to 480 Mb/s data transfer rate for data intensive external devices.



### SATA 3Gb/s storage interface for 2.5" HDD

High speed storage improves transfer rate for improved data access. The SATA II specification doubles bus bandwidth from 1.5Gb/s to 3Gb/s. The Shuttle Barebone X27 supports one 2.5" hard disk drive.



### Great connectivity

Behind the front panel door you will find two USB's for USB stick, external drives, MP3 players etc. and 1/8 inch (3.5 mm) jacks for headphone and microphone, which can be used for a head-set. At the back panel you can connect your input devices by PS/2 or USB. The audio jack can be configured as Mic/Line-in/Line-out or 6-ch audio.

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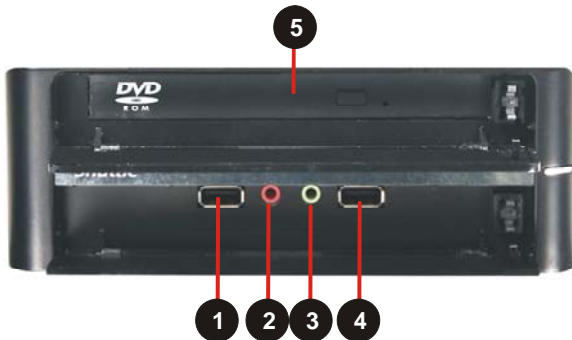
## Shuttle X-Series Barebone X27 Specifications

|                               |  |
|-------------------------------|--|
| <b>Chassis</b>                | New slim X-type chassis, silver black<br>Mini-ITX Mainboard<br>Storage bays:<br>Dimensions: 250 x 185 x 70 mm (LWH)  |
| <b>Storage bays</b>           | 1x 2,5" (internal) for hard disk<br>1x for optical drive in slimline format  |
| <b>Power Supply</b>           | External 60W power adapter   |
| <b>Chipset</b>                | Intel® 945GC+ICH7 Express Chipset  |
| <b>Processor Support</b>      | Intel ATOM 230 processor (Codename: Diamondville)<br>1.6 GHz core clock, 533 MHz FSB<br>512kB L2 cache<br>Supports Hyper-Threading<br>Passive CPU cooling  |
| <b>Memory Support</b>         | 1x 240 pin DIMM slots<br>supports DDR2-533/667 DDR SDRAM memory<br>supports max. 2GB capacity  |
| <b>Expansion Slots</b>        | not available  |
| <b>Integrated Graphics</b>    | Intel Graphics Media Accelerator 950 (GMA950)<br>with PCI-E x1 improved bandwidth, features 333MHz graphics core<br>DX8/DX9 support and enhanced 3D performance<br>Dynamic Video Memory Technology (DVMT) 3.0, shared Memory max. 224MB<br>Video out: Digital DVI-D and Analog 15pin D-Sub VGA |
| <b>6-channel Audio</b>        | Audio Realtek® ALC 662 6-channel High-Definition Audio<br>Three analog audio connectors (3.5mm) at the Back-Panel:<br>1) Front Line out (head phone)<br>2) Rear Surround line-out (shared with microphone input)<br>3) Center line-out (shared with Line in)                                   |
| <b>Gigabit LAN Controller</b> | Marvell 88E8056 Ethernet network controller (Gigabit)<br>Supports 100 / 1.000 MBit/s operation<br>Supports Wake-on-LAN (WOL)   |
| <b>Drive connectors</b>       | 2x Serial-ATA II, 3 Gb/s (300 MB/s) bandwidth,<br>1x IDE ATA 100 drives  |

|                                     |  |
|-------------------------------------|--|
| <p><i>Front panel</i></p>           | <p>Microphone input<br/>         Audio Line-out (headphone)<br/>         2x USB 2.0<br/>         Power button<br/>         Power LED<br/>         HDD LED</p>  |
| <p><i>Back panel connectors</i></p> | <p>DVI connector (digital)<br/>         VGA connector (D-Sub 15 pol., analog)<br/>         4x USB 2.0<br/>         GigaBit LAN (RJ45)<br/>         PS/2 for mouse and keyboard<br/>         Serial port (COM)<br/>         Audio Line-in<br/>         Audio Line-out<br/>         Audio Mic-in</p> |
| <p><i>Accessories</i></p>           | <p>Multi-language user guide,<br/>         32-bit / 64-bit Driver CDROM,<br/>         Cable for SATA (1x), PATA/IDE (1x)<br/>         Power cord,<br/>         Screws</p>  |

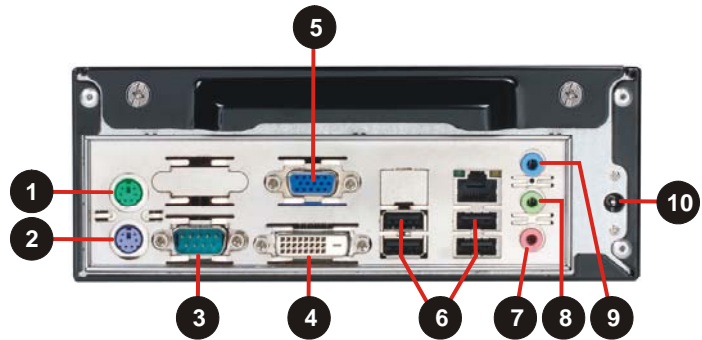
## Shuttle X-Series Barebone X27 – Connectors

### Front Panel



- 1 USB 2.0
- 2 Microphone input
- 3 Head phone output
- 4 USB 2.0
- 5 Slim format optical drive (drive not included)

### Back Panel



- 1 PS/2 mouse
- 2 PS/2 keyboard
- 3 Serial port
- 4 Digital DVI video output
- 5 Analog VGA video output
- 6 4x USB 2.0
- 7 Microphone input
- 8 Audio Line-out (head phone)
- 9 Audio Line-in
- 10 Input for power supply voltage

## Mainboard Overview

