

### Smart budget solution for simple tasks

### Shuttle X-Series Barebone **X27D**

Shuttle's X-Series Barebone X27D is a value nettop platform in a very slim (7 cm) chassis. Its MiniITX mainboard comes with an energy-efficient Intel Atom processor with Dual-Core. In combination with the fanless power supply it 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 X27D is right for anyone looking for an ultra-efficient, portable and silent SOHO platform.



Dual  
Core



#### 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 330 Dual Core, 2x 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> <li>Preinstalled Serial ATA cables</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, 4x onb.))</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>Basic</li> </ul>



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

## Shuttle X-Series Barebone X27D – Special Product Features



### Built-in Intel® Atom™ Processor

The Shuttle Barebone X27D comes with embedded Intel® Atom™ 330 dual core processor which is based on an entirely new x86-design which consumes only 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 allows more users to see the desktop image at the same time. The integrated graphics supports clone mode.



### 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 X27D 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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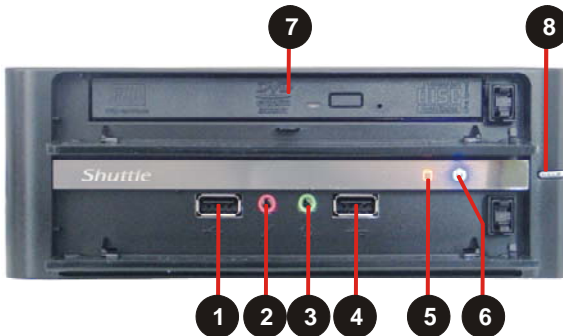
## Shuttle X-Series Barebone X27D Specifications

<b>Chassis</b>	<p>Slim X-type chassis, silver black</p> <p>Dimensions: 250 x 185 x 70 mm (LWH) = 3.2 litres</p> <p>Front doors for optical drive and front panel connectors</p> <p>Mini-ITX Mainboard: 17 x 17 cm</p>
<b>Storage bays</b>	<p>1x 2,5" (internal) for hard disk</p> <p>1x for optical drive in slimline format</p> <p>This barebone is intended for Serial ATA drives. An optical slimline drive with parallel ATA connector can be used with an optional adapter plus IDE ribbon cable.</p>
<b>Power Supply</b>	<p>External 60W power adapter (fanless)</p> <p>Input: 100~240V AC, max. 2A</p> <p>Output: 12V DC, 50/60 Hz, max. 5A</p> <p>Internal DC-DC daughter board</p>
<b>Chipset</b>	Intel® 945GC+ICH7 Express Chipset
<b>Embedded Processor</b>	<p>Intel ATOM 330 processor (Codename: Diamondville)</p> <p>2x 1.6 GHz core clock, 533 MHz FSB</p> <p>2x 512kB L2 cache</p> <p>Supports Hyper-Threading (4 threads total)</p> <p>TDP = 8 watts</p> <p>Passive CPU cooling</p>
<b>Memory Support</b>	<p>1x 240 pin DIMM slots</p> <p>supports DDR2-533/667 DDR SDRAM memory</p> <p>supports max. 2GB capacity</p>
<b>Expansion Slots</b>	not available
<b>Integrated Graphics</b>	<p>Intel Graphics Media Accelerator 950 (GMA950)</p> <p>with PCI-E x1 improved bandwidth, features 333MHz graphics core</p> <p>DX8/DX9 support and enhanced 3D performance</p> <p>Dynamic Video Memory Technology (DVMT) 3.0, shared Memory max. 224MB</p> <p>Video out: Digital DVI-D and Analog 15pin D-Sub VGA</p> <p>Supports Dual Monitor operation in clone mode.</p>
<b>6-channel Audio</b>	<p>Audio Realtek® ALC 662 6-channel High-Definition Audio</p> <p>Three analog audio connectors (3.5mm) at the Back-Panel:</p> <ol style="list-style-type: none"> <li>1) Front Line out (head phone)</li> <li>2) Rear Surround line-out (shared with microphone input)</li> <li>3) Center line-out (shared with Line in)</li> </ol>
<b>Gigabit LAN Controller</b>	<p>Realtek 8111C Ethernet network controller (Gigabit)</p> <p>Supports 100 / 1.000 MBit/s operation</p> <p>Supports Wake-on-LAN (WOL)</p>

<i>Drive connectors</i>	2x Serial-ATA II, 3 Gb/s (300 MB/s) bandwidth, 1x IDE ATA 100 drives
<i>Front panel</i>	Microphone input Audio Line-out (headphone) 2x USB 2.0 Power button Power LED HDD LED
<i>Back panel connectors</i>	DVI connector (digital) VGA connector (D-Sub 15 pol., analog) 4x USB 2.0 GigaBit LAN (RJ45) PS/2 for mouse and keyboard Serial port (COM) Audio Line-in Audio Line-out Audio Mic-in
<i>Other onboard connectors</i>	4x USB (two 2x5 pin headers) Audio-in for CDROM (4-pin) 20-pin ATX power supply connector 2x fan connectors (4 pin, one for north bridge fan)
<i>Accessories</i>	Multi-language user guide, 32-bit / 64-bit Driver CDROM, 2x cable for SATA (preinstalled) Power cord Screws

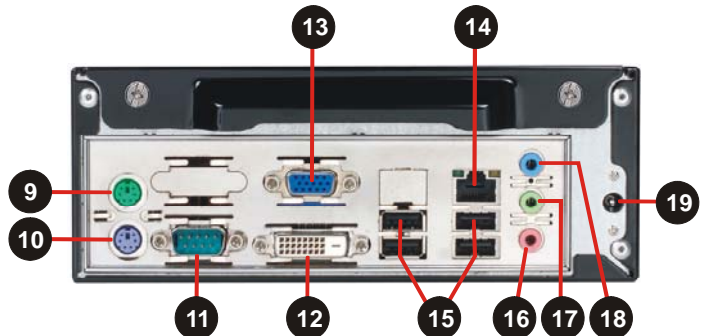
## Shuttle X-Series Barebone X27D – Connectors

### Front Panel



- 1 USB 2.0
- 2 Microphone input
- 3 Head phone output
- 4 USB 2.0
- 5 HDD LED
- 6 Power LED
- 7 Slim format optical drive (drive not included)
- 9 Power button

### Back Panel



- 9 PS/2 mouse
- 10 PS/2 keyboard
- 11 Serial port
- 12 Digital DVI video output
- 13 Analog VGA video output
- 14 Gigabit LAN (RJ45)
- 15 4x USB 2.0
- 16 Microphone input
- 17 Audio Line-out (head phone)
- 18 Audio Line-in
- 19 Input for power supply voltage

## Mainboard Overview

