Shuttle Mini-PC platform for those energy-conscious users

Based on the Intel Atom processor this Mini-PC only requires a few watts of power, leading to large energy savings for everyday use. These sorts of solutions are ideal for users who mainly use the PC to access the internet or who work mainly with MS-Office and email applications. It's also ideal as a second PC for simple applications.

Shuttle K-Series Barebone K58

Images for illustration purposes only.

Feature Highlight

Chassis	• G7 chassis with silver aluminum cover • Dimensions: 29.5 x 20 x 18.5 cm (L/W/H) • Bays: 2x 3.5“ (internal) and 1x 5.25” (ext.) • MyKover: customizable front panel design
CPU	• Intel ATOM 1.6GHz
Chipset	• Intel 945GC + ICH7
Graphics	• Integrated GMA950 graphics, max. 224MB • Video out: digital DVI and analog D-Sub Supports Dual Monitor operating
Memory	• Supports 1x DDR2-533/667 (max. 2 GB)
Drive connectors	• 2x SATA II (3 Gbit/s) • 1x IDE ATA 100
Other connectors	• 5.1 HD audio • USB 2.0 (4x rear, 4x onboard) • Gigabit LAN • Optional WLAN adapter (PN20)
Power supply	• 100 Watt Flex-ATX power supply
Application	• Basic

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www.shuttle.com

Shuttle Computer Handels GmbH
Fritz-Strassmann-Str. 5
25337 Elmshorn | Germany

Tel. +49 (0) 4121-47 68 60
Fax +49 (0) 4121-47 69 00
sales@shuttle.eu

Shuttle K-Series Barebone K58 – Special Product Features

Built-in Intel® Atom™ Processor

The Shuttle Barebone K58 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.

MyKover: customizable front panel design

The enjoyable MyKover styles your home with more fun, just 1-minute, 2-clicks and 3-steps by inserting the stunning pictures behind the crystal panel. (foto similar)

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Shuttle K-Series Barebone K58 Specifications

Chassis	Silver G7-type chassis with black aluminum cover and acrylic front plate Storage bays: 2x 3.5" internal, 1x 5.25" external Dimensions: 29.5 x 20 x 18.5 cm (LWH) = 10.9 litres Weight: 4.0 kg net / 5.1 kg gross
Mainboard	Mainboard FM25, Flex ATX design, dimensions 17 x 17 cm Chipset: Intel 945GC + ICH7
Power Supply	100 Watt Flex ATX power supply unit Input voltage range: 100~240V AC, 47~63 Hz Active PFC (Power Factor Correction) EMI Certified: FCC, CE, BSMI Safety Certified: UL, TÜV, CB Power plug region specific 40 mm cooling fan sensor control
Processor Support	Intel ATOM 230 processor (Codename: Diamondville) 1.6 GHz core clock, 533 MHz FSB 512kB L2 cache Supports Hyper-Threading Passive CPU cooling
Memory Support	1x 240 pin DIMM slots supports DDR2-533/667 DDR SDRAM memory supports max. 2GB capacity
Expansion Slots	1x PCI slot (32 bit)
Integrated Graphics	Intel Graphics Media Accelerator 950 (GMA950) with PCI-E x1 improved bandwidth, features 333MHz graphics core DX8/DX9 support and enhanced 3D performance Dynamic Video Memory Technology (DVMT) 3.0 Shared Memory max. 224MB Video connectors: Digital DVI and analog Sub-D Supports Dual Monitor operation.
6-channel Audio	Audio Realtek® ALC 662 6-channel High-Definition Audio Three analog audio connectors (3.5mm) at the Back-Panel: 1) Front Line out (head phone) 2) Rear Surround line-out (shared with microphone input) 3) Center line-out (shared with Line in)

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LAN Controller	Gigabit Ethernet network controller (Marvell 8056) Supports 10/100/1000 MBit/s operation RJ45 back panel connector Supports Wake-on-LAN function and PXE (Preboot Execution Environment)
Drive connectors	2x Serial-ATA II, 3 Gbit/s (300 MB/s) bandwidth 1x IDE ATA 100 drives
Front panel	Power button Power indicator (LED) HDD indicator (LED)
Back panel connectors	DVI Video (digital) D-sub Video (analog) 4x USB 2.0 RJ45 LAN connector PS/2 keyboard connector PS/2 mouse connector Serial COM port Audio Front Line out (head phone) Auido Rear Surround line-out (shared with microphone input) Audio Center line-out (shared with Line in) optional Wireless LAN module (PN20)
Other onboard connectors	2x fan connectors (4 pins) 4x USB 2.0 (two 2x5 pin onboard headers)
Accessories	System installation Guide 1x SATA cable 1x IDE cable 1x Power cord Driver CD-ROM (32/64 bit) Screws

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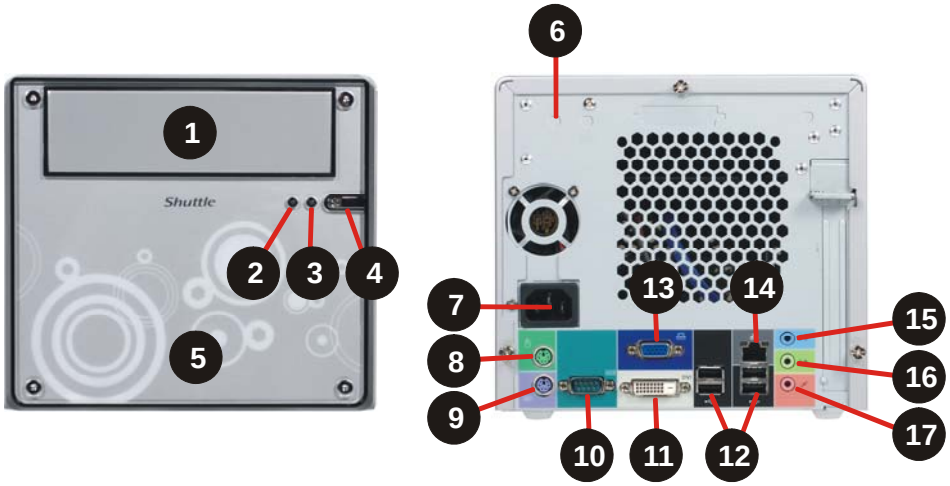
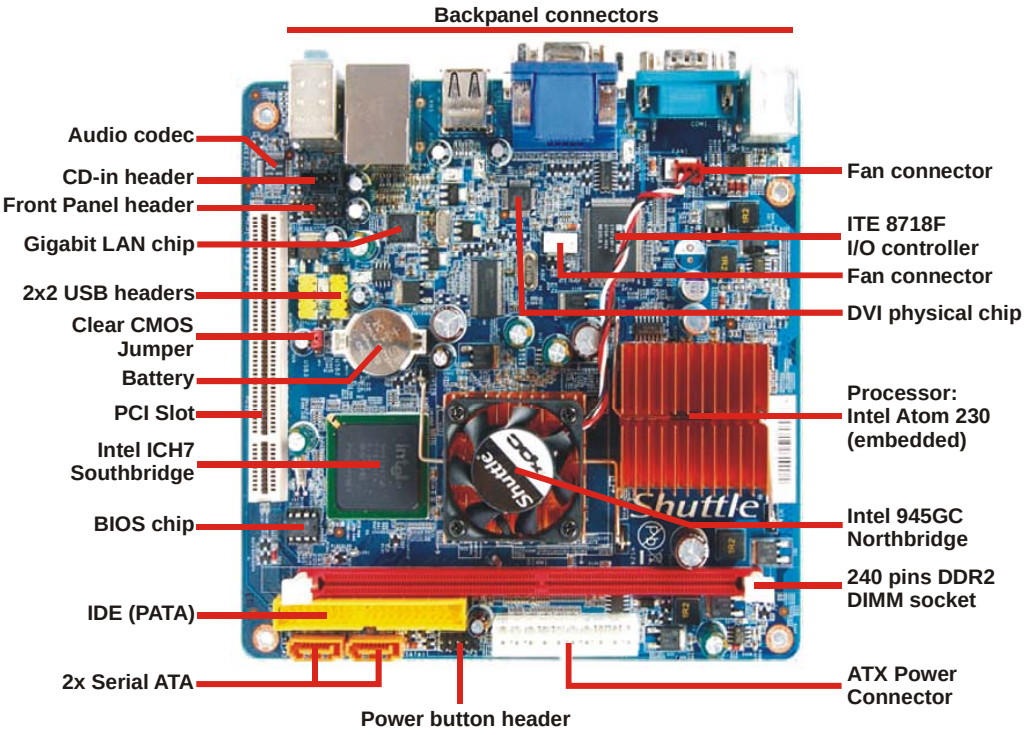
Connectors and Components

Front and Back view



1	5.25” bay for optical drive	6	Optional WLAN	*12*	4x USB 2.0 ports
2	Hard disk LED	7	AC power socket	*13*	VGA video out
3	Power LED	8	PS/2 mouse port	*14*	Gigabit LAN (RJ45)
4	Power button	9	PS/2 keyboard port	*15*	Audio line-in
5	MyKover – changeable front design	10	Serial port	*16*	Audio line-out
		11	DVI video out	*17*	Microphone input

Mainboard



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MyKover – Customize Your Front Panel

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1

Unfasten the front panel by removing the four screws. Remove both the transparent glass and the image.

2

Insert the new image and cover back the transparent glass on top.

3

Align and correspond the transparent glass and new image to screw holes on the front of the machine. Carefully screw back the four screws.

4

Congratuation, you have your customized image now.

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