

All-in-One Touchscreen PC with Windows 7

The Shuttle X 5020T PLUS is an all-in-one PC boasting a 39.6cm (15.6-inch) touchscreen LCD powered by Intel's dual core Atom processor D525. This system can be configured with Windows 7 Home Premium or Professional, up to 4GB DDR3 memory and hard disk or SSD according to their individual requirements. The bulk of components is yet built in, just three components need to be installed: memory, hard disk and operating system. Equipped with Intel's integrated graphics, it provides generous performance for daily computing with internet and office applications. A 2.0MP webcam, built-in speakers, card reader, WLAN and other features leave nothing you could ask for. Have any applications start up quickly by just touching the screen for working most swiftly and conveniently. This system can optionally configured with legacy COM and LPT ports.

Shuttle All-in-One PC X5020T Plus White



Dual Core



Fanless



Windows 7



Feature Highlight

All-in-one design	<ul style="list-style-type: none"> Fully configured stylish PC platform Small: 391 x 327 x 36 mm (WHL) Stand can also be used as a handle External, fanless power supply (40W)
Display & Graphics	<ul style="list-style-type: none"> 39.6cm (15.6") touchscreen (1366x768) Integrated graphics (GMA3150, DX9) VGA Video output (Extended Mode)
CPU & Chipset	<ul style="list-style-type: none"> CPU: Intel ATOM D525 Dual Core , 1.8GHz Chipset: NM10 (Platform Controller Hub)
Memory & Storage	<ul style="list-style-type: none"> Up to 4GB DDR3 SO-DIMM memory SATA hard disk or SSD (6.35cm/2.5")
Operating system	<ul style="list-style-type: none"> Windows 7 Home Premium or Professional 64 or 32 bit version, several languages
Connectivity	<ul style="list-style-type: none"> 4x USB, Audio: Mic, Line-out LAN connector, Wireless LAN (draft-n) Optional: 2x RS232, 1x LPT (PCL68)
Built-in	<ul style="list-style-type: none"> SD card reader 2.0 Megapixel webcam 2x 2W speakers Electret Condenser Microphone 100mm VESA mount capable Light bar at the bottom
Power Supply	<ul style="list-style-type: none"> 40W, fanless, Energy Star 5 compliant
Warranty	<ul style="list-style-type: none"> 24 months Bring-in Service



Images for illustration purposes only.
Product name: X 5020T PLUS White

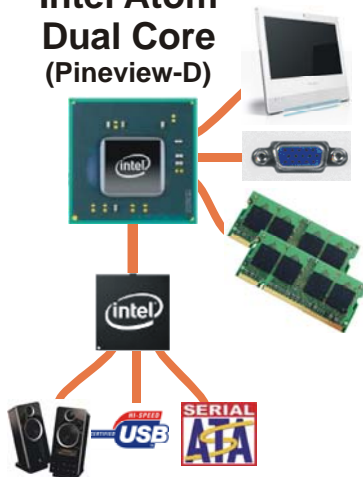
All-in-One PC X 5020T PLUS - Special Product Features



All applications at your fingertips

The innovative touchscreen technology delivers the simplest operation possible and makes the screen the centre of action. Its high-quality design lets you control the whole range of multimedia - music, movies, video playback and web browsers start by just touching the screen.

Intel Atom Dual Core (Pineview-D)

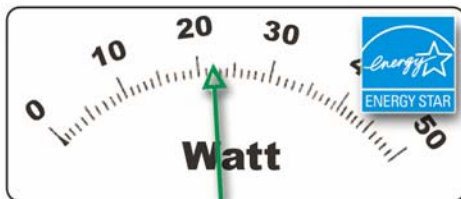


New Atom processor integrates the graphics core

Shuttle X 5020T PLUS is equipped with Intels Atom processor D525, codenamed Pineview. It brings both the memory controller and graphics core on-die which helps to reduce the thermal output and memory latency. The CPU is connected to the Southbridge NM10, codenamed Tiger Point.

Dual Core. Do more.

The vast majority of the existing netbooks and all-in-one PCs with an Intel Atom CPU use the Single Core version. In contrast to this, Shuttle's all-in-one PC stands out from the crowd with its embedded Intel Atom D510 Dual Core processor, which is boosting the productivity of the PC system, particularly with regards to multithreaded applications.



Power saving

The new X 5020T PLUS version equipped with Intel Atom D525 Dual-Core processor and eco-friendly ENERGY STAR 5.0 qualified power adapter consumes about 22 Watt in full load mode, which is approximately half as much as with the first X50 version with Atom 330 processor and 945GC chipset.



All-in-one PC

Your complete PC system with many components already built in comes in just one single device! This includes the webcam, microphone, mainboard, display, touchscreen input interface, Wireless LAN module and speakers. Saves you more space, looks simply stylish, less wiring.



VGA Port

This VGA port can be used to connect a secondary external LCD display or beamer to the PC.



Built-In Webcam and Microphone

The built-in 2.0 mega pixel webcam and microphone makes it easy to take pictures or stream live images across the Internet – and connect in real-time with friends, family, and colleagues.



Slim and chic

Designed as space-savers, this 15.6 inch all-in-one desktop PC only measures 3.6cm in depth.



Fanless - as quiet as 22dBA

The Shuttle X 5020T PLUS features a cooling system that combines an integrated heat-sink with thermal pads - and removes the fan. As an added benefit, it's not only quiet but also dust-free.



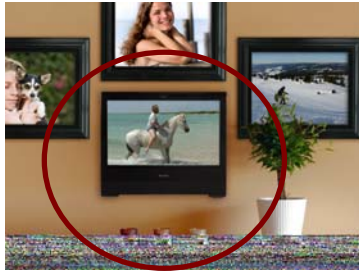
Carrying handle

Cleverly, the stand can be pulled up to serve as a handle - easy to move and light to carry with one hand.



Kensington Lock

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



VESA mounting

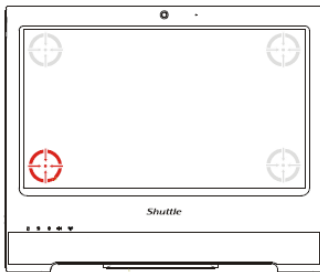
The stand on the rear can easily be removed unveiling four VESA mounting screw holes that can be used for mounting arms and other mounting devices from a variety of manufacturers.



Control AP Software

Click the „ControlAP“-Button and you can configure the following items with your fingers on the touchscreen:

- Screen brightness
- Light bar brightness
- Wireless LAN On/Off
- Web camera On/Off
- Configuration of LCD and external VGA screen



4 Point Touch Screen Calibration

The X 5020T PLUS features a precise touch screen input device. This can easily be calibrated just by pointing four times with the stylus pen on the screen. With this four point calibration, you can use demanding graphical user interfaces (GUI) that require precise cursor control to properly activate small icons, buttons, scroll bars, etc.



Optional serial and parallel legacy ports

Legacy ports are still a requirement for certain industrial applications. Thus, X 5020T PLUS optionally provides one parallel and two serial ports at the back panel (Accessory PLC68).



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

Shuttle X 5020T PLUS Overview (Connectors, buttons, etc.)



- 1 Touchscreen LCD display
- 2 Webcam
- 3 Microphone
- 4 Power on LED
- 5 Hard disk LED
- 6 Wireless LAN LED (Wifi)
- 7 Stereo speakers
- 8 Light bar
- 9 Card reader
- 10 4 USB connectors
- 11 LAN connector
- 12 Microphone input
- 13 Audio line out (head phone)
- 14 VGA video output
- 15 Stand (handle)
- 16 Power on button
- 17 Stylus pen with holder
- 18 DC-input for power supply
- 19 Kensington lock hole
- 20 Vesa mount
- 21 2x COM, 1x Par. Ports
(optional accessory PCL68)

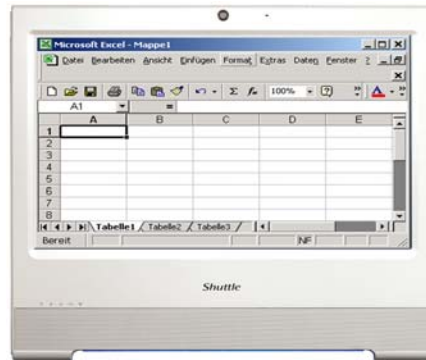


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Shuttle X 5020T PLUS – Range of Applications



Entertainment
 Music, Movies,
 Photo gallery, TV*
 *) TV tuner USB stick
 required



Work
 Banking, Shopping,
 Office, Stock trading



Control
 Surveillance,
 Home Automation,
 Control device



P.O.S.
 Point of sales



Education
 In schools, at home,
 for children and adults



Communication
 Email, VoIP, Messenger,
 Blog, Video Conferencing



Digital Signage
 Visual advertising,
 entertainment, displaying
 information in public areas

Shuttle X 5020T PLUS White – Specifications

Chassis	<p>Color: white</p> <p>Dimensions: 391.3 x 327 x 36 mm (WxHxL), Weight: 3.6 kg</p> <p>100mm VESA mount capable</p> <p>Mounting hole for Kensington lock</p> <p>Light bar at the bottom</p>
Operating system	<p>Microsoft Windows 7 Home Premium or Professional</p> <p>32 or 64 Bit version</p> <p>6 languages available: German, English, French, Dutch, Italian, Spanish</p>
Touch-screen	<p>Touchscreen function support fingertip input</p> <p>Resistance and single touch technology</p> <p>Including stylus pen for the touchscreen</p>
39.6cm (15.6-inch) display	<p>39.6cm/15.6" LCD display, ratio: 16:9 wide screen panel</p> <p>Resolution: 1366x768 = 1.05 Megapixels</p> <p>Adjustable Backlight: CCFL (Cold cathode fluorescent lamp)</p>
Processor	<p>Intel Dual Core Atom processor D525 (Codename: Pineview-D)</p> <p>45nm manufacturing process, FCBGA559</p> <p>Intel Hyper-Threading technology: 2-threads per core</p> <p>Intel 64 architecture, Core clock: 1.8 GHz</p> <p>L2 Cache: 1024kB , TDP: max. 13W</p> <p>Integrated North Bridge with controller for memory and graphics</p>
South bridge	<p>Intel® NM10 Platform Controller Hub (PCH), Codename: Tiger Point</p>
BIOS	<p>AMI BIOS in a 8Mb Flash ROM supports PnP, ACPI 3.0</p> <p>Supports external USB flash memory card boot up</p>
Memory	<p>Up to 4GB DDR3 SO-DIMMs memory modules with 204 pins</p>
Storage	<p>One Serial ATA hard disk or SATA SSD drive in 6.35cm/2.5" format</p>
Card reader	<p>Integrated card reader supports SD, SDHC and SDXC memory flash cards</p>
Webcam	<p>Integrated Webcam module</p> <p>Max. Resolution: 2.0 Megapixel (1600x1200 UXGA)</p>

<p>Audio Microphone Speakers</p>	<p>IDT92HD81 Audio Codec with Azalia support, two analog audio connectors (3.5mm): 1) Line out (head phone) 2) microphone input Front panel with integrated Electret Condenser Microphone and 2x 2W speakers</p>
<p>Integrated graphics</p>	<p>The Graphics Processing Unit (GPU) is integrated into the processor Intel GMA 3150, 400MHz render clock frequency Intel Dynamic Video Memory Technology 4.0 (DVMT 4.0) Share system memory max. 256MB Supports DirectX 9 and 2D/3D instruction set, Pixel Shader 2.0 MPEG2 hardware acceleration Intel Clear Video / ProcAmp technology allows user adjustment of hue, saturation, brightness and contrast Two display ports: - Digital LVDS channel supports up to 1366*768, 18bpp resolution - Analog RGB supports up to 2048*1536, 60Hz resolution - Supports Extended Desktop Mode and Clone Mode</p>
<p>LAN</p>	<p>JMicron JMC261 single-chip PCIe Fast Ethernet combo Card Reader Host controller IEEE 802.3u 100Base-T specification compliant Supports 10/100 MBit/s operation Supports S3 Wake-on-LAN (WOL) feature</p>
<p>Wireless LAN (Wifi)</p>	<p>Supports 802.11 b/g and draft-n Mini PCIe x1 card</p>
<p>Connectors</p>	<p>VGA connector (D-Sub 15 pol., analog) 4x USB 2.0 (2x left side, 2x right side) Netzwerk (RJ45) Audio Line-out (head phone) Microphone input DC input for power supply Optional: 2x serial ports (9 pins) Optional: 1x parallel ports (25 pins)</p>
<p>LED's and buttons</p>	<p>Power button Power LED (blue) Hard disk LED (orange) Wireless-LAN / Wifi LED (green)</p>
<p>Power supply</p>	<p>Externes 40W Netzteil (lüfterlos), Abmessungen: 27 x 37 x 90 mm Energy Star 5 konform Eingang (Wechselspannung): 100-240V AC, 50-60Hz Ausgang: 19V DC, max. 2,1A</p>
<p>Certifi- cations</p>	<p>Safety certifications: TÜV, CB, BSMI EMI certifications: CE, FCC, BSMI, R&TT Other certifications: RoHS, Energy Star 5</p>
<p>Environment</p>	<p>Operating temperature: 0~35°C, Humidity: 0~60%</p>

<i>Included Accessories</i>	Windows 7 Recovery DVD 40W Power Adapter Power cord
<i>Optional Accessories</i>	PCL68: provides additional ports - 2x RS232 (serial), 1x LPT (parallel)
<i>Warranty</i>	24 Months Pick-Up-And-Return Service