

### 46.7cm/18.5" All-in-One PC

This sleek 18.5" All-in-One touchscreen PC combines impressive computing power with robust graphics performance. It is equipped with an Intel® Core™ i3 desktop processor and works seamlessly with different applications just as a conventional desktop PC. The HDMI output enables dual-monitoring which can be used for multimedia and presentations on large screens. Together with ample I/O connectivity and VESA mount ready, it can also support a wide variety of professional applications, e.g. kiosk, POS, digital signage, communication platforms, automation and control systems.

### Shuttle All-in-One PC System **X7000TA**



- Fixed configuration
- 18.5" Single-touch
- Windows 8
- Intel Core i3 CPU
- HDMI port
- Webcam, Card Reader
- 2x USB 3.0, 6x USB 2.0
- RS232 COM port

#### Feature Highlight

|                               |   |
|-------------------------------|---|
| <b>All-in-one design</b>      | <ul style="list-style-type: none"> <li>• Full featured stylish PC System</li> <li>• 100x100 VESA mount compatible</li> </ul>  |
| <b>Display &amp; Graphics</b> | <ul style="list-style-type: none"> <li>• 46.7cm (18.5"), Resolution: 1366 x 768</li> <li>• Resistive single- touch display</li> <li>• Integrated graphics (depends on CPU)</li> <li>• HDMI video outputs</li> </ul>           |
| <b>CPU &amp; Chipset</b>      | <ul style="list-style-type: none"> <li>• CPU: Intel Core i3-3220, LGA1155 socket</li> <li>• Chipset: H61 (Platform Controller Hub)</li> </ul>   |
| <b>Storage</b>                | <ul style="list-style-type: none"> <li>• 4 GB DDR3-1333 SO-DIMM memory</li> <li>• 500 GB SATA hard disk (6.35cm/2.5" )</li> </ul>   |
| <b>Operating system</b>       | <ul style="list-style-type: none"> <li>• Windows 8</li> </ul>   |
| <b>Connectivity</b>           | <ul style="list-style-type: none"> <li>• HDMI (supports digital audio)</li> <li>• 2x USB 3.0, 6x USB 2.0, Microfon, Line-out</li> <li>• Dual RJ45 Gigabit LAN, Wireless LAN (b/g/n)</li> <li>• 1x COM port (RS232)</li> </ul> |
| <b>Built-in</b>               | <ul style="list-style-type: none"> <li>• SD card reader</li> <li>• 2.0 Megapixel webcam</li> <li>• 2x 2 W speakers</li> <li>• Microphone</li> </ul>   |
| <b>Power Supply</b>           | <ul style="list-style-type: none"> <li>• 120W, fanless, Energy Star 5 compliant</li> </ul>  |
| <b>Environment</b>            | <ul style="list-style-type: none"> <li>• Operating temp.: 0~40°C</li> <li>• Humidity: 10~90% non-condensing</li> </ul>  |
| <b>Certificates</b>           | <ul style="list-style-type: none"> <li>• EMI: CE, FCC ,BSMI ,C-Tick</li> <li>• Safety: CB , 3C, ETL ,BSMI</li> <li>• Others: RoHS and Energy Star 5 Compliance</li> </ul>   |
| <b>Warranty</b>               | <ul style="list-style-type: none"> <li>• 24 Months Pick-Up-And-Return Service</li> </ul>  |



Images for illustration purposes only.



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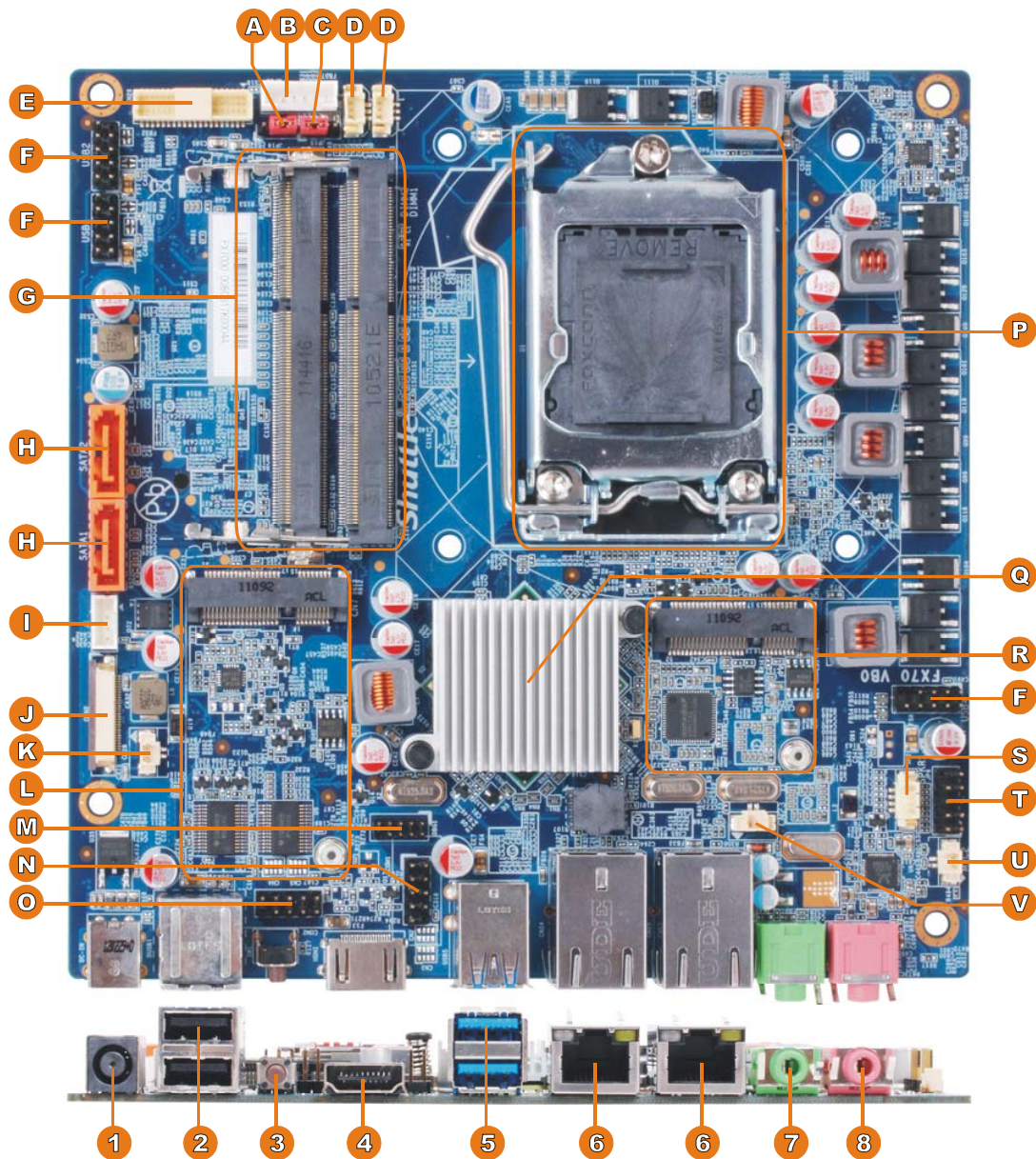
Product name: X 7000TA  
 EAN bar code: . 4046047102587  
 Shuttle order code: PAT-X0700TA1

Shuttle All-in-One PC X 7000TA – Connectors



- |                              |                                     |                               |
|------------------------------|-------------------------------------|-------------------------------|
| <b>A</b> 2x USB 2.0 ports    | <b>I</b> Power LED indicator        | <b>Q</b> Microphone input     |
| <b>B</b> Power button        | <b>J</b> Hard disk LED indicator    | <b>R</b> Headphone / line-out |
| <b>C</b> Webcam              | <b>K</b> 2x serial ports (optional) | <b>S</b> 2x LAN ports         |
| <b>D</b> Microphone          | <b>L</b> Parallel port (optional)   | <b>T</b> 2x USB 3.0 ports     |
| <b>E</b> Touchscreen display | <b>M</b> Ventilation grilles        | <b>U</b> HDMI video port      |
| <b>F</b> Stereo speakers     | <b>N</b> Kensington® lock hole      | <b>V</b> 2x USB 2.0 ports     |
| <b>G</b> SD card reader      | <b>O</b> Stand / handle             | <b>W</b> DC voltage input     |
| <b>H</b> 2x USB 2.0 ports    | <b>P</b> VESA mount area            | <b>X</b> Serial port          |

Shuttle All-in-One PC X 7000TA – Mainboard



|          |                                      |
|----------|--------------------------------------|
| <b>A</b> | Panel voltage selection jumper       |
| <b>B</b> | Power for LVDS                       |
| <b>C</b> | Converter voltage selection jumper   |
| <b>D</b> | CPU cooling fan connector            |
| <b>E</b> | LVDS connector                       |
| <b>F</b> | USB 2.0 (three headers with 2 ports) |
| <b>G</b> | Two SO-DIMMs for DDR3 memory         |
| <b>H</b> | Two SATA 3 Gb/s                      |
| <b>I</b> | SATA power connector                 |
| <b>J</b> | LPC connector                        |
| <b>K</b> | Power button                         |
| <b>L</b> | Mini-PCIe slot with mSATA, Full-Size |
| <b>M</b> | EE debug port                        |
| <b>N</b> | Serial port COM 1                    |
| <b>O</b> | Serial port COM 2                    |

|          |                           |
|----------|---------------------------|
| <b>P</b> | LGA1155 socket (max. 65W) |
| <b>Q</b> | Intel H61 chipset         |
| <b>R</b> | Mini-PCIe slot, half Size |
| <b>S</b> | Speaker connector         |
| <b>T</b> | PWR header                |
| <b>U</b> | Microphone input          |
| <b>V</b> | Battery connector         |
| <b>1</b> | Power connector           |
| <b>2</b> | Two USB 2.0 ports         |
| <b>3</b> | Clear CMOS button         |
| <b>4</b> | HDMI port                 |
| <b>5</b> | Two USB 3.0 ports         |
| <b>6</b> | Two Gigabit LAN port      |
| <b>7</b> | Audio Line out            |
| <b>8</b> | Audio Mic in              |

## Shuttle X 7000TA – Specifications

|                          |   |
|--------------------------|---|
| <b>Chassis</b>           | Color: black, matt / non-glossy<br>Dimensions: 468 x 364 x 57mm (WxHxL)<br>100x100 mm VESA mount capable  |
| <b>Operating system</b>  | Microsoft Windows 8, 64 Bit version<br>6 languages available: German, English, French, Dutch, Italian, Spanish  |
| <b>Touchscreen</b>       | Touchscreen function support fingertip input<br>Resistive single-touch technology   |
| <b>Display</b>           | 46,7 cm / 18,5" LCD display, ratio: 16:9 wide screen panel<br>Resolution: 1366x768 = 1.05 Megapixels<br>Adjustable backlight unit: High power LED   |
| <b>Chipset</b>           | Intel® H61 Express Chipset<br>Platform Controller Hub (PCH)<br>Code name: Cougar Point, TDP = 6.1W  |
| <b>BIOS</b>              | AMI BIOS in a 8Mbit Flash ROM supports PnP, ACPI 2.0<br>Supports external USB flash memory card boot up<br>Supports Power fail resume / AC power on state / always on / always off<br>Supports Wake-on-LAN (WOL) from S3, S3, S5 ACPI states<br>Supports Unified Extensible Firmware Interface (UEFI) [1] |
| <b>Processor</b>         | Intel Core i3-3220<br>Socket LGA1155<br>2 Cores, 4 Threads<br>Clock frequency: 3.3 GHz<br>Intel Smart Cache: 3 MB<br>Thermal Design Power: 55 W<br>Lithographie: 22 nm<br>Integrated Intel HD Graphics 2500<br>Graphics Clock Rate: 650~1050 MHz  |
| <b>Heat-pipe cooling</b> | Processor heat pipe cooling<br>Processor cooling with heat pipe technology and two fans (6cm)   |
| <b>Memory</b>            | 4 GB DDR3-1333 SO-DIMM memory   |

|                                       |  |
|---------------------------------------|--|
| <p><i>Integrated graphics</i></p>     | <p>The features of the integrated graphics function [3] depends on the used processor type.<br/>                 "Sandy Bridge" processor: Intel® HD Graphics 2000/3000, DirectX 10.1<br/>                 "Ivy Bridge" processor: Intel® HD Graphics 2500/4000, DirectX 11<br/>                 Maximum shared memory size: 1692MB<br/>                 Supports HDMI, max. resolution up to 1920x1200 @ 60Hz<br/>                 Supports HDCP function via HDMI port<br/>                 Supports Full HD 1080p Blu-ray (BD) / HD-DVD playback via the HDMI port<br/>                 Supports Dual-Independent-Display via HDMI and the integrated display<br/>                 HDMI supports HD video plus multi-channel digital audio via a single cable</p> |
| <p><i>Audio</i></p>                   | <p>Audio Realtek® ALC 269 High-Definition Audio<br/>                 Two analog audio connectors (3.5 mm):<br/>                 1) Microphone input<br/>                 2) Front Line out (head phone)<br/>                 Digital audio output via HDMI</p>   |
| <p><i>Dual Gigabit</i></p>            | <p>Dual Realtek 8111E Ethernet network controller (Gigabit)<br/>                 Supports 10 / 100 / 1.000 MBit/s operation<br/>                 With two RJ45 ports (dual network) supports Teaming [3]<br/>                 Supports WAKE ON LAN (WOL)<br/>                 Supports network boot by Preboot eXecution Environment (PXE)</p>   |
| <p><i>Wireless Network (WLAN)</i></p> | <p>Supports IEEE 802.11b/g/n<br/>                 max. 300 Mbps up-/downstream<br/>                 2T2R: two built-in antennas (2 transmitter, 2 receiver)<br/>                 Half size Mini-PCIe-Card</p>  |
| <p><i>Mini-PCIe</i></p>               | <p>X 7000TA features two Mini PCI Express expansion slots:<br/>                 1) half size, supports PCIe 2.0 and USB 2.0 - occupied with WLAN card<br/>                 2) full size, supports PCIe 2.0, SATA 3G and USB 2.0<br/>                 e.g. for Mini SATA (mSATA) flash memory cards [4]</p>   |
| <p><i>Hard disk drive</i></p>         | <p>500 GB Serial ATA hard disk drive in 6.35cm/2.5" format</p>   |
| <p><i>Card reader</i></p>             | <p>Integrated card reader supports SD, SDHC and SDXC memory flash cards</p>  |
| <p><i>Webcam</i></p>                  | <p>Integrated Webcam module with 2.0 Megapixel (1600x1200) resolution<br/>                 USB interface</p>   |
| <p><i>Microphone and speakers</i></p> | <p>Front panel with integrated Electret Condenser Microphone and<br/>                 2x 2W speakers</p>   |

|   |   |
|---|---|
| <p><i>Connectors</i></p>                    | <p>1x HDMI v1.3 (supports digital video and digital audio)<br/>                 2x USB 3.0 (back panel)<br/>                 6x USB 2.0 (2x left side, 2x right side, 2x back panel)<br/>                 2x Gigabit Network (LAN, RJ45)<br/>                 1x Microphone input (3,5 mm)<br/>                 1x Audio Line-out / head phone (3,5 mm)<br/>                 1x Serial Port (RS232, D-Sub)<br/>                 1x DC input for external power adapter<br/>                 optional: 2x COM (RS-232 + RS-232/422/485), 1x LPT (parallel)</p> |
| <p><i>Onboard headers</i></p>               | <p>2x fan headers (2x 3 pins)<br/>                 6x USB 2.0 headers (three 2x5 pins)<br/>                 1x 24 bit dual channel LVDS port, digital Video port for the display<br/>                 2x SATA 2.0 connectors (3 Gbps, 300MB/s)<br/>                 1x SATA power connector<br/>                 1x LPC header for COM/LPT adapter accessory (optional)<br/>                 2x RS-232 (two 2x5 pins)</p>   |
| <p><i>LEDs and buttons</i></p>              | <p>Power button<br/>                 Power LED (blue)<br/>                 Hard disk LED (orange)<br/>                 Clear CMOS button</p>  |
| <p><i>Power Adapter</i></p>                 | <p>External 120 W AC/DC power adapter (fanless)<br/>                 Energy Star 5 compliant<br/>                 AC Input: 100~240 V AC, 50~60 Hz<br/>                 DC Output: 19 V DC, max. 6.32 A</p>   |
| <p><i>Included Accessories</i></p>          | <p>Quick Guide<br/>                 Driver DVD<br/>                 120W Power Adapter<br/>                 Power cord</p>  |
| <p><i>Optional Accessoriess</i></p>         | <p>COM/LPT adapter module PCL70:<br/>                 1x parallel and 2x serial (RS-232 + RS-232/422/485)<br/>                 supports voltage supply 0V / 5V / 12V</p>  |
| <p><i>Certifications and Compliance</i></p> | <p>EMI: CE, FCC, BSMI, C-Tick, CCC<br/>                 Safety: CB, BSMI, ETL<br/>                 Other compliances: RoHS, Eup Lot6</p>  |
| <p><i>Environmental criteria</i></p>        | <p>Operating temperature: 0~40°C<br/>                 Humidity: 10~90% non-condensing</p>   |
| <p><i>Conformity</i></p>                    | <p>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:<br/>                 - EMV-guideline 89/336/EWG electromagnetic tolerance<br/>                 - LVD-guideline 73/23/EWG use of electric devices within certain voltage-limits</p>   |

Warranty

24 Months Pick-Up-And-Return Service

**[1] HDMI version**

This product uses a HDMI v1.3 port and supports a maximum resolution of 1920 x 1200 pixels.

**[2] 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.

**[3] Teaming Modus**

The teaming function allows you to group both available network adapters together to function as a single adapter - a method of creating a virtual LAN. The benefit of this approach is that it enables load balancing and failover.

**[4] mini-SATA (mSATA)**

not to be confused with the "micro SATA" connector, is a newer industry standard which converts the electrical SATA interface (1.5 or 3.0 Gbit/s) to the physical "Mini PCI Express" mini card form factor.

## Shuttle X70S Series Product Comparison

| Model    | Type     | OS                 | RAM  | HDD    | Order no     | Bar code      |
|----------|----------|--------------------|------|--------|--------------|---------------|
| X70S     | Barebone | -                  | -    | -      | PAB-X70S001  | 811686004233  |
| X 7000T  | System   | Configurable (BTO) |      |        | PAK-X0700T01 | -             |
| X 7000TA | System   | Windows 8          | 4 GB | 500 GB | PAT-X0700TA1 | 4046047102587 |
| X 7000XA | System   | -                  | 4 GB | 500 GB | PAC-X70S011  | 4046047102594 |