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 **X7000XA**

(intel) inside™
CORE™ i3

- **Fixed configuration**
- **18.5" Single-touch**
- **Without operating system**
- **Intel Core i3 CPU**
- **HDMI port**
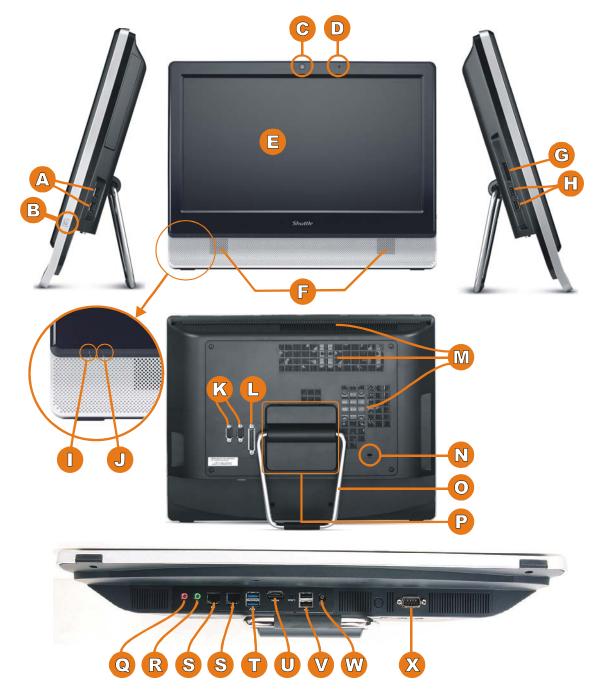- **Webcam, Card Reader**
- **2x USB 3.0, 6x USB 2.0**
- **RS232 COM port**

Feature Highlight

All-in-one design	• Full featured stylish PC System • 100x100 VESA mount compatible
Display & Graphics	• 46.7cm (18.5"), Resolution: 1366 x 768 • Resistive single- touch display • Integrated graphics (depends on CPU) • HDMI video outputs
CPU & Chipset	• CPU: Intel Core i3-3220, LGA1155 socket • Chipset: H61 (Plattform Controller Hub)
Storage	• 4 GB DDR3-1333 SO-DIMM memory • 500 GB SATA hard disk (6.35cm/2.5")
Operating system	• Operating system not included • Compatible with Windows XP / 7 / 8, Linux
Connectivity	• HDMI (supports digital audio) • 2x USB 3.0, 6x USB 2.0, Microfon, Line-out • Dual RJ45 Gigabit LAN, Wireless LAN (b/g/n) • 1x COM port (RS232)
Built-in	• SD card reader • 2.0 Megapixel webcam • 2x 2 W speakers • Microphone
Power Supply	• 120W, fanless, Energy Star 5 compliant
Environment	• Operating temp.: 0~40°C • Humidity: 10~90% non-condensing
Certificates	• EMI: CE, FCC ,BSMI ,C-Tick • Safety: CB , 3C, ETL ,BSMI • Others: RoHS and Energy Star 5 Compliance
Warranty	• 24 Months Service

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Product name: X 7000XA
EAN bar code: . 4046047102594
Shuttle order code: PAC-X70S011

Images for illustration purposes only.

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

A	2x USB 2.0 ports	
B	Power button	
C	Webcam	
D	Microphone	
E	Touchscreen display	
F	Stereo speakers	
G	SD card reader	
H	2x USB 2.0 ports	

I	Power LED indicator
J	Hard disk LED indicator
K	2x serial ports (optional)
L	Parallel port (optional)
M	Ventilation grilles
N	Kensington® lock hole
O	Stand / handle
P	VESA mount area

Q	Microphone input
R	Headphone / line-out
S	2x LAN ports
T	2x USB 3.0 ports
U	HDMI video port
V	2x USB 2.0 ports
W	DC voltage input
X	Serial port

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

A	Panel voltage selection jumper	**P**	LGA1155 socket (max. 65W)
B	Power for LVDS	**Q**	Intel H61 chipset
C	Converter voltage selection jumper	**R**	Mini-PCIe slot, half Size
D	CPU cooling fan connector	**S**	Speaker connector
E	LVDS connector	**T**	PWR header
F	USB 2.0 (three headers with 2 ports)	**U**	Microphone input
G	Two SO-DIMMs for DDR3 memory	**V**	Battery connector
H	Two SATA 3 Gb/s	**1**	Power connector
I	SATA power connector	**2**	Two USB 2.0 ports
J	LPC connector	**3**	Clear CMOS button
K	Power button	**4**	HDMI port
L	Mini-PCIe slot with mSATA, Full-Size	**5**	Two USB 3.0 ports
M	EE debug port	**6**	Two Gigabit LAN port
N	Serial port COM 1	**7**	Audio Line out
O	Serial port COM 2	**8**	Audio Mic in

Shuttle X 7000XA – Specifications

Chassis	Color: black, matt / non-glossy Dimensions: 468 x 364 x 57mm (WxHxL) 100x100 mm VESA mount capable
Operating system	This system comes without operating system. It is compatible with Windows XP, Windows 7, Windows 8 and Linux
Touchscreen	Touchscreen function support fingertip input Resistive single-touch technology
Display	46,7 cm / 18,5" LCD display, ratio: 16:9 wide screen panel Resolution: 1366x768 = 1.05 Megapixels Adjustable backlight unit: High power LED
Chipset	Intel® H61 Express Chipset Platform Controller Hub (PCH) Code name: Cougar Point, TDP = 6.1W
BIOS	AMI BIOS in a 8Mbit Flash ROM supports PnP, ACPI 2.0 Supports external USB flash memory card boot up Supports Power fail resume / AC power on state / always on / always off Supports Wake-on-LAN (WOL) from S3, S3, S5 ACPI states Supports Unified Extensible Firmware Interface (UEFI) [1]
Processor	Intel Core i3-3220 Socket LGA1155 2 Cores, 4 Threads Clock frequency: 3.3 GHz Intel Smart Cache: 3 MB Thermal Design Power: 55 W Lithographie: 22 nm Integrated Intel HD Graphics 2500 Graphics Clock Rate: 650~1050 MHz
Heat-pipe cooling	Processor heat pipe cooling Processor cooling with heat pipe technology and two fans (6cm)
Memory	4 GB DDR3-1333 SO-DIMM memory

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

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

Warranty	24 Months 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 pysical "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