Shuttle®

Fanless All-in-one PC for POS applications

The Shuttle POS X503 is a valued All-in-One POS Terminal PC boasting a 39.6cm (15.6-inch) LCD touchscreen powered by Intel's dual core Atom processor D2550. This system is compatible with Windows 7 POS applications and suitable for small and medium retailers to serve customers effectively. Equipped with four USB ports and two COM ports if offers sufficient connectivity for typical POS peripherals like receipt printer, customer display, barcode scanner, keyboard, mouse and more. In addition, the HDMI and VGA ports can be used to drive a second display with basic digital signage applications. POS X503 offers a high level of reliability and is a lower priced alternative to conventional POS systems.

Shuttle All-in-One POS PC
POS X503 Black System

Shuttle® Touchscreen

Fanless

nonstop 24/7 24/7 usage

Feature Highlights

All-in-one Design	• Fanless cooling (low maintenance) • Approved for 24/7 permanent operation • All-in-One PC with resisitive touchscreen • Small: 391 x 327 x 42 mm (WHL) • Stand can also be used as a handle • 100mm VESA mount capable • External, fanless power supply (40W)
Display & Graphics	• 39.6cm (15.6") resistiive touchscreen with 1366x768 resolution • Integrated graphics (GMA3650, DX9) • HDMI + D-Sub/VGA Video output
CPU & Chipset	• CPU: Intel ATOM D2550 Dual Core 1.86 GHz • Chipset: NM10 (Platform Controller Hub)
Storage	• 2 GB DDR3-1333 SO-DIMM memory • 60 GB SATA SSD drive (6.35cm/2.5")
Operating System	• Without operating system and software • Compatible with Windows 7 and Windows Embedded POSReady 7 (32 bit only)
Connectivity	• HDMI, D-Sub, 4x USB, Microphone-in, Line-out • Gigabit LAN, Wireless LAN (n) • 2x RS232 (seriell) und 1x LPT (parallel)
Built-in	• SD Cardreader • 2.0 Megapixel webcam • 2x 2W speakers • Electret Condenser Microphone
Power Supply	• 40W, fanless, Energy Star 5 compliant
Warranty	• 24 months Pick-up-and-Return Service (PUR)

Images for illustration purposes only.
Software is not supplied.

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Shuttle order number:
PAH-X503POS2

Shuttle POS X503 - Product Features

All applications at your fingertips

The innovative touchscreen technology delivers the simplest operation possible and makes the screen the centre of action. Have any applications start up quickly by just touching the screen for working most swiftly and conveniently.

Great connectivity

Equipped with four USB ports and two COM ports if offers sufficient connectivity for typical POS peripherals like receipt printer, customer display, barcode scanner, keyboard, mouse and more.

HDMI and D-Sub/VGA Port

The digital HDMI port or the analog D-Sub/VGA port can be used to connect a secondary external LCD display or a beamer to the PC. The integrated graphics unit supports both clone mode and extended mode.

24/7 nonstop operation

Shuttle POS X503 is officially approved for 24/7 permanent operation. Thanks to its low power consumption and completely passively cooling, this PC runs highly reliable making it perfectly suitable for digital signage and POI/POS applications.

Conditions for permanent use:
- Ambient temperature while under load: 5-35°C
- Air humidity while under load: 10-90% (not condensing)
- Free circulation of air amongst the PC must be guaranteed
- Ventilation holes must be clear

Power saving

The new POS X503 version is equipped with an Intel Atom D2550 Dual Core processor and eco-friendly ENERGY STAR 5.0 qualified power adapter that consumes about 20~27 Watt only.

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, display, touchscreen input interface, wireless LAN module and speakers. Helps you save on space, looks simply stylish, reduces cable clutter.

Fanless and quiet

The Shuttle POS X503 features a cooling system that combines an integrated heatsink with thermal pads - and removes the fan. As an additional benefit, it's not only quiet but also dust-free.

Carrying handle

Cleverly, the stand can be pulled upwards to serve as a handle making the POS X503 easy to move and carry around.

Kensington Lock

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

VESA mounting

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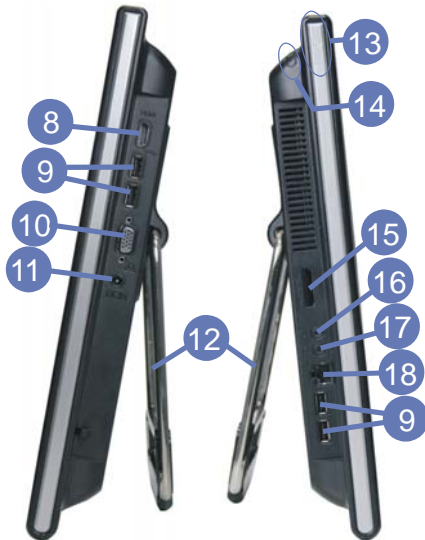
Tiny power adapter

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 POS X503 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	HDMI video output
9	4x USB 2.0 connectors
10	D-Sub VGA video output
11	DC-input for power adapter
12	Stand (handle)
13	Power on button
14	Stylus pen with holder
15	Card reader
16	Microphone input
17	Audio line out (head phone)
18	RJ45 Gigabit LAN connector
19	Kensington lock hole
20	Vesa mount
21	2x COM, 1x Par. Ports

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Shuttle POS X503 Black – Specifications

Fanless and silent	Passive cooling, no fan noise at all Perfect to be used in noise-sensitive environments Fanless, dust-free and thus virtually maintenance-free
Chassis	Colour: black, matt / non-glossy Dimensions: 391.3 x 327 x 42 mm (WxHxL) 100mm VESA mount capable Mounting hole for Kensington lock
Operating system	This system comes without operating system. It is compatible with the 32 bit version of Windows 7 and Windows Embedded POSReady 7
Touch-screen	Touchscreen function support fingertip input Resistance and single touch technology Including stylus pen for the touchscreen
39.6cm (15.6-inch) display	39.6cm/15.6" LCD display, ratio: 16:9 wide screen panel Resolution: 1366x768 = 1.05 Megapixels Backlight unit: High power LED
Processor	Intel Dual Core Atom processor D2550 (Codename: Cedarview) Intel Hyper-Threading technology: 2-threads per core 32 nm manufacturing process, Micro-FCBGA11 package Intel 64 architecture, Core clock: 2.13 GHz L2 Cache: 1024kB , TDP: max. 10W Supports SSE2, SSE3, SSSE3, Execute Disable Bit Integrated North Bridge with controller for memory and graphics Passive cooling without any fan
Integrated Graphics	The Graphics Processing Unit (GPU) is integrated into the processor Intel GMA 3650, Graphics Base Frequency: 640 MHz, supports DirectX 9 Maximum shared memory: 8MB pre-allocated plus 384MB Video Memory Technology (DVMT) Two video outputs: HDMI v1.3 and D-Sub (VGA) Supports dual display in clone or extended model
Chipset	Intel® NM10 Express Chipset Platform Controller Hub (PCH), Code name: Tiger Point
BIOS	AMI BIOS in a 8Mbit Flash ROM supports PnP, ACPI 2.0 Supports external USB flash memory card boot up (not from the card reader) 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]

Memory	2 GB DDR3-1333 / PC3-10667 SO-DIMM memory module with 204 pins Effective clock frequency: 1066 MHz Maximum memory which can be installed: 4GB (2x 2GB or 1x 4GB)
Storage	60 GB Serial SATA SSD disk in 6.35cm/2.5" form factor
Card reader	Integrated card reader supports SD, SDHC and SDXC memory flash cards
Webcam	Integrated Webcam module with 2.0 Megapixel (1600x1200) resolution
Microphone Speakers	Front panel with integrated Electret Condenser Microphone and 2x 2W speakers
Integrated Audio	IDT92HD81 Audio Codec with Azalia support Two analog audio connectors (3.5mm): 1) Line out (head phone) 2) microphone input Digital Audio is supported via the HDMI port.
Wired Network	RJ45 connector supports Gigabit LAN at 10/100/1000 Mbit/sec. Network controller Realtek RTL8411 Supports Wake-on-LAN (WOL) from S3, S3, S5 ACPI states
Wireless LAN (Wifi)	Supports IEEE 802.11b/g/n, max. 150Mbps up-/downstream Security: WPA/WPA2(-PSK), WEP 64/128bit, IEEE 802.11x/i Half size Mini-PCIe-Card
Connectors	HDMI 1.3 (supports digital video and digital audio) VGA connector (D-Sub 15 pol., analog) 4x USB 2.0 (2x left side, 2x right side) Network (LAN, RJ45) Audio Line-out (head phone) Microphone input DC input for external power adapter 2x Serial Ports (COM) 1x Parallel Port (LPT)
LEDs and buttons	Power button Power LED (blue) Hard disk LED (orange) Wireless-LAN / Wifi LED (green)
Power adapter	External 40W AC/DC power adapter (fanless) Energy Star 5 compliant AC Input: 100~240V AC, 50~60Hz DC Output: 19V DC, max. 2.1A Dimensions: 27 x 37 x 90 mm DC Connector: 5.5/2.5mm (outer/inner diameter)

Included Accessories	40W Power Adapter Power cord
Optional Accessories	Carrying bag PF55
Certifi-cations	EMI: CE, FCC, BSMI, C-Tick, CCC Safety: CB, BSMI, ETL Other compliances: RoHS, Eup Lot6
Environment	Operating temperature: 0~35°C Humidity: 10~90%
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

Shuttle X50V3L vs. POS X503 – Produktvergleich

Model ->	X50V3L Barebone	POS X503 System
Type	AIO Barebone	AIO System
Operating System	---	---
Memory	---	2 GB DDR3
Hard disk	---	60 GB SSD
Order No.	White: PAB-X50V3L11 Black: PAB-X50V3L12	White: PAH-X503POS1 Black: PAH-X503POS2
Bar code	White: **811686004271** Black: **811686004264**	White: 4046047102747 Black: 4046047102754