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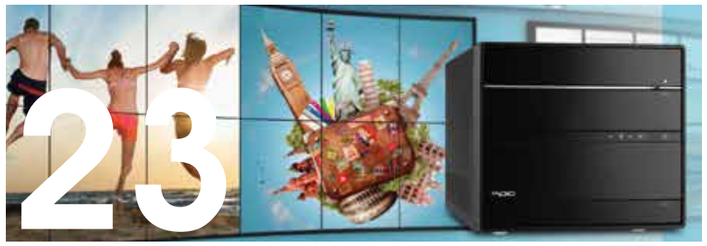
Product Guide 2015

Superb for Home, Work, Business and Industrial applications

www.shuttle.com



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About Shuttle

Established in 1983, Shuttle Inc. is based in Taiwan with an extensive worldwide network of subsidiaries, resellers, partners and suppliers. With over 30 years in desktop relative design, manufacturing and work with Intel, AMD, and NVIDIA, Shuttle has the affirmed superior quality of products and services. Keeping “Innovation, Quality, Integrity and Service” in mind, Shuttle produces the best quality products at a competitive cost to meet its customer’s needs. Shuttle has received numerous international awards due to its advanced thermal technology and mechanical design and has passed ISO 9001 and ISO 14001 certifications.

Since the creation of the world’s first-ever mini-PC in 2001, Shuttle Inc. has been recognized as an industry leading designer and manufacturer of small form factor (SFF) computers and accessories for consumer and commercial sectors. Experienced in small form factors and thermal technology, Shuttle XPCs are now applied to Digital Signage, Point-Of-Sale, Kiosk, and Access control vertical solutions. Shuttle offers its vertical customers the most cost effective and customizable hardware solution options. Shuttle’s product profile includes a range of entry level to high performance Slim PCs, Mini PCs, All-in-One PCs, and Biometric solutions. All Shuttle products use the highest quality materials and parts, with excellent cooling technology and low-power consumption.

Whether your business operates in hospitality, retail, banking, transportation, government, healthcare, education, or security, Shuttle can provide the solution you’re looking for to increase your competitiveness in business.

TAIWAN EXCELLENCE 2009

product design award 2006

reddot Design Award

Notebook

Tablet

XPC

Signage Players

All-in-One

Face Recognition

SmartVille

EDUPAL

Video Walls:
Captivate your target audience with large scale video walls. Shuttle's high-performance XPC series is designed to power video walls with crystal clear contents.

Kiosk:
Interact with customers using multi-touch responsive kiosks. Shuttle slim PCs have strong connectivity to power peripheral heavy Kiosks.

POS:
Drive fast and efficient Pont-of-Sale systems with touch screen All-in-one PCs, made to connect with barcode scanners, receipt printers, and more.

Target, engage, and inform with Shuttle solutions

In-store Signage Channel:
Communicate with customers about in-store special promotion or all-new product launch with Shuttle's cost-effective signage players.

Wayfinding:
A way to direct visitors or provide the map of shopping mall. Shuttle's slim series with compact design is easy integration into places with limited space.

Out-of-home Advertising:
Engage viewers with rich media content using Shuttle's Full HD and 4K/Ultra HD signage players.

High Performance Slim PCs to Power Kiosks and Vending Machines — The XH Series

Shuttle's XH series includes three powerful 3-liter slim PCs made to drive high-performance Intel® Core™ processors and deliver dynamic computing where POS, Vending Machines, and Kiosks are running. The series offers multiple video outputs and can drive up to three independent screens (XH97V only), with support for Ultra HD graphics. With optional configurations of up to five COM Ports, the devices boast strong connectivity for peripherals. Thanks to its advanced heat pipe and smart fan design, the series is 24/7 certified and runs reliably cool in 0-50°C temperatures, meeting the demands of most commercial environments.

Support for Intel® Core™ i series Processors

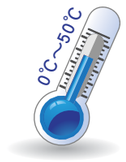
The XH97V and XH81V/XH81 support Intel® Haswell/Haswell Refresh 65W processors and support dual-channel DDR3 1600 with up to 16GB memory (8GBx2).

Advanced heat pipe cooling system

Made with Shuttle's exclusive heat pipe technology and smart fan design, waste heat is quickly removed from the systems for stable and long-term operation.

Strong ability to connect peripherals

The series has a robust I/O interface including multiple USB2.0 and 3.0 ports and up to 5 COM ports (XH81 only) to power interactive, peripheral-heavy self-service machines.



24/7 Certified in 0-50°C Environments

Built with industrial capacitors, the rugged design allows for 24/7 stable operation over long periods of time in 0-50°C environments.

Support 4K high-performance applications

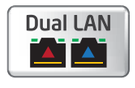
Deliver four times the resolution of Full HD with support for 4Kx2K (3840x2160) Ultra HD crystal clear imaging.

Compact and VESA mountable

The 3-liter, VESA mountable XH series is designed for easy integration into commercial applications with limited space and gives users the option for a slim ODD or addtional HDD.

Support up to three independent screens

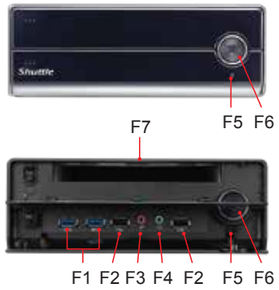
The XH series provides multiple video output configurations, offering a combination of HDMI, DisplayPort, and D-sub port (optional, XH81 series only), and able to support up to three screens independently (XH97V only).



Dual Gigabit LAN Network

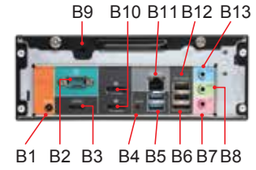
Dual LAN ports (except XH97V) support Wake-on-LAN and Teaming Mode for a faster, more stable internet connection with built-in 10Mb/s, 100 Mb/s, 1000 Mb/s.

XH97V Front Panel



F1. USB3.0 Port
F2. USB2.0 Port
F3. Mic-in
F4. Headphone
F5. HDD LED
F6. Power Switch / Power LED
F7. Slim ODD Bay

XH97V Back Panel

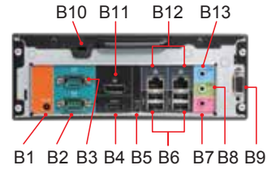


B1. DC-in
B2. RS232
B3. HDMI Port
B4. Clear CMOS
B5. USB3.0 Port
B6. ESATA
B7. Mic-in
B8. Line-out
B9. Kensington Lock
B10. Display Port
B11. LAN Port
B12. USB2.0 Port
B13. Line-in

XH81 Front Panel

F1. USB3.0 Port
F2. USB2.0 Port
F3. Mic-in
F4. Headphone
F5. Power Switch / Power LED
F6. HDD LED
F7. COM Port (Optional) (RS232/RS422/RS485)

XH81 Back Panel



B1. DC-in
B2. RS232/RS422/RS485
B3. RS232
B4. HDMI Port
B5. C-CMOS
B6. USB2.0 Port
B7. Mic-in
B8. Line-out
B9. D-Sub (VGA) Port (Optional)
B10. Kensington Lock
B11. Display Port
B12. LAN Port
B13. Line-in

Application Fields

4K Digital Signage | Self-service Kiosk | Vending Machine (XH81 only) | Digital Whiteboard | Office

4K High-performance Digital Signage Player — DS87 & DS81

Compact, the powerful DS87 and DS81 were created to support the latest software and trends in digital signage. Able to support Intel® Haswell/Haswell Refresh CPUs, the slim PCs allow system integrators to push the limits of customer engagement with increased interactivity, connectivity, and graphics resolution. Compared to DS81, the DS87 allows for three displays instead of two. Seamlessly play 4K video content and power complex computer processes. 24/7 certified, VESA mountable, and operable in 0-50°C temperatures, the DS87 and DS81 are fit for a variety of commercial applications.

Support high-performance Intel® Core™ i Processor

Based on a wide range of socket 1150 Intel® Haswell/Haswell Refresh processors is available ranging from Celeron® to Core™ i series processors with a maximum TDP of 65W. Plus, up to a maximum capacity of 16 GB of DDR3-1600 memory can be fitted.

Support 4K ultra HD

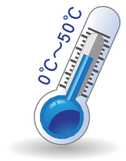
Deliver four times the resolution of Full HD, the series supports 4Kx2K (3840x2160) Ultra HD for crystal clear imaging.

Support up to three independent screens

The series provides multiple video output configurations, offering a combination of HDMI, DisplayPort, and VGA port (optional), and able to support up to three screens independently (DS87 only).

Heat pipe cooling technology

Made with Shuttle's exclusive heat pipe technology and smart fan design, waste heat is quickly removed from the system for stable and long-term operation.



24/7 Certified in 0-50°C Environments

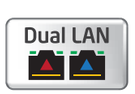
Built with industrial capacitors, the rugged design allows for 24/7 stable operation over long periods of time in 50°C environments.

Slim design and Easy assembly

The compact, 43mm DS87 and DS81 feature easy assembly as well as enhanced thermal efficiency and system stability due to less internal cables and no daughter board.

Multiple I/O for great connectivity

With six built-in USB 2.0, two USB3.0, and two COM ports, the series can easily connect to peripherals such as thermal printers, label printers barcode scanners, etc., and is designed for a wide range of vertical applications.



Dual Gigabit LAN Network

Use dual LAN ports and support wake-on LAN and Teaming Mode for a faster, more stable LAN connection.

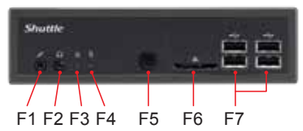
DS87 Front Panel

F1. Mic-in
F2. Headphone
F3. Power LED
F4. HDD LED
F5. Power Button
F6. SD Card reader
F7. USB 2.0 Port

DS87 Back Panel

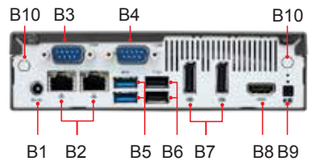
B1. DC-in
B2. LAN Port
B3. RS232/RS422/RS485
B4. RS232
B5. USB 3.0 Port
B6. USB 2.0 Port
B7. Display Port
B8. HDMI Port
B9. Clear CMOS & External Power on header
B10. Antenna hole

DS81 Front Panel



F1. Mic-in
F2. Headphone
F3. Power LED
F4. HDD LED
F5. Power Button
F6. SD Card reader
F7. USB 2.0 Port

DS81 Back Panel



B1. DC-in
B2. LAN Port
B3. RS232/RS422/RS485
B4. RS232
B5. USB 3.0 Port
B6. USB 2.0 Port
B7. Display Port
B8. HDMI Port
B9. Clear CMOS & External Power on header
B10. Antenna hole

Application Fields

4K Digital Signage

Self-service Kiosk

Digital Whiteboard

Office

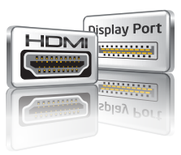
Full-feature Fanless Signage Player — DS57U series

Shuttle's new DS57U series is using the latest Intel® Broadwell U platform to offer a variety of CPU options, including Celeron® 3205U and Core™ i3/i5/i7 processors. The series supports for DDR3L low-voltage memory modules, reducing thermal energy production and energy consumption. The DS57U series with fanless design has been approved for 24/7 nonstop operation within 0-40°C application environments and tested to ensure stability and silent operation. Less than 40mm thick and VESA mountable, the series is easily integrated into commercial applications with limited space. It provides multiple I/O ports for peripheral connectivity.

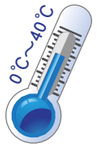
Intel® Broadwell U Platform Technology
The series supports the latest Intel® Broadwell U platform technology. With 14nm process, the maximum TDP is only 15W. The series runs on a mere 65W adapter in full use and keeps stable for long-term operation.

Fanless design
The series is fanless and uses a thermal heat pipe module plus smart vent design to transmit heat throughout the device quickly and evenly.

Support 4K ultra HD
Deliver four times the resolution of full HD, the DS57U3/U5/U7 (optional) supports 4Kx2K (3840x2160) Ultra HD for crystal clear imaging.



Support dual-screen display output
The series provides HDMI and DisplayPort video outputs to support dual-screen display. Use an adaptor to cover HDMI/DisplayPort to DVI or analog video interface (D-sub).



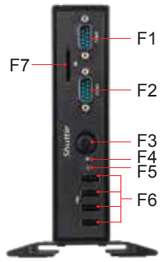
24/7 Certified in 0-40°C Environments
Made with quality materials, the series allows for 24/7 stable operation over long periods of time in 40°C environments.

Multiple I/O for great connectivity
With built-in USB2.0x4, USB3.0 x2 and two COM ports, the series is fit for a range of vertical applications and can easily connect to peripherals such as thermal printers, label printers, barcode scanners and more.

Support Intel® Dual Gigabit LAN
The series is built-in Intel® i211 and i1218 Dual Gigabit LAN as well as support for Wake On LAN. With a built-in IEEE802.11b/g/n wireless network card, transmission rates reach up to 300 Mbps.

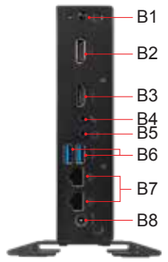
Built-in 2x Mini PCIe slots
The DS57U series features strong expandability with one full size and one half size Mini PCIe slots. This compact system can support mSATA SSD and WiFi modules, among other compatible modules.

DS57U Front Panel



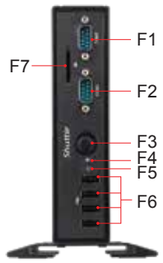
F1. RS232
F2. RS232/RS422/RS485
F3. Power Button
F4. HDD LED
F5. Power LED
F6. USB2.0 Port
F7. SD Card Reader

DS57U Back Panel



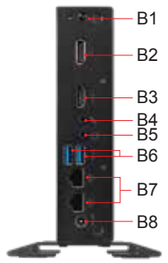
B1. Clear CMOS & External Power on header
B2. Display Port
B3. HDMI Port
B4. Mic-In
B5. Headphone
B6. USB3.0 Port
B7. LAN Port
B8. DC-in

DS57U3/U5/U7 Front Panel



F1. RS232
F2. RS232/RS422/RS485
F3. Power Button
F4. HDD LED
F5. Power LED
F6. USB2.0 Port
F7. SD Card Reader

DS57U3/U5/U7 Back Panel



B1. Clear CMOS & External Power on header
B2. Display Port
B3. HDMI Port
B4. Mic-In
B5. Headphone
B6. USB3.0 Port
B7. LAN Port
B8. DC-in

Application Fields

Digital Signage | Information KIOSK | Thin Client | Office

Support Triple Display Signage Player — XS35V5 & XS36V5

Featuring all-new XS35V5 and XS36V5, a more energy efficient model of the V5 series, are equipped with Intel® next generation Braswell processor with integrated the 8th generation Intel® HD Graphics and HDMI, DisplayPort as well as D-sub multiple interfaces, able to support three independent displays. With thickness of only 38.5mm (XS35V5) and 36 mm (XS36V5), both are completely fanless design, virtually maintenance free, and approved for 24/7 non-stop operation. The V5 series provides excellent peripheral connectivity, suitable for POS, POI, Digital Signage, and Queuing machine applications.

The new generation Braswell processor

The series supports Intel® Braswell platform technology, equipped with 14nm Intel® Celeron® N3050 dual-core processor as well as support for DDR3L 1600 low-voltage memory module with a maximum capacity up to 8GB.

24/7 Certified in 0-40°C Environments

Made with quality materials, the series allows for 24/7 stable operation over long periods of time in 40°C environments.

Support multiple Full HD video formats

The V5 series built-in processors have integrated the 8th generation Intel® HD Graphics. With suitable playback software and decoders, it can support FLV1, AVC1, H264, XVID, MP4, VC1, and more encoding formats of Full HD video.

Connectivity with two COM ports (XS36V5 only)

The XS36V5 has built-in one RS232 and one RS232/422/485 (both support 5V/12V) as well as multiple USB ports for easy connection to peripherals like thermal printers, label printers, and barcode scanners.

Support three independent displays

Support up to three independent screens via HDMI, DisplayPort, and D-sub interfaces.

Internal USB port (XS35V5 only)

Ensure theft protection of USB connected devices with the XS35V5's internal USB 2.0 port and protect USB TV tuners, USB 3G Modules, or other USB expanders.

Fanless design

The series is fanless and uses a thermal heat pipe module plus smart vent design to transmit heat throughout the device quickly and evenly.

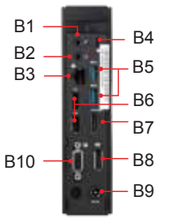
Support wire and wireless high-speed networks

The V5 series has a built-in Intel® 10/100/1000 Mbps LAN interface and supports Wake On LAN function. With a built-in IEEE802.11b/g/n wireless network card, transmission rates reach up to 300 Mbps.

XS35V5 Front Panel

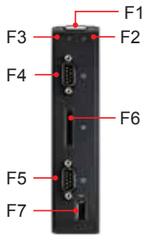
F1. Power Button
F2. Power LED
F3. HDD LED
F4. SD Card Reader
F5. ODD/ Second HDD (Optional)
F6. USB 2.0 Port

XS35V5 Back Panel



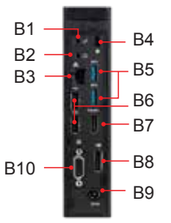
B1. Mic-in
B2. Headphone
B3. LAN Port
B4. Kensington Lock
B5. USB 3.0 Port
B6. USB 2.0 Port
B7. HDMI Port
B8. Display Port
B9. DC-in
B10. D-Sub (VGA) Port

XS36V5 Front Panel



F1. Power Button
F2. Power LED
F3. HDD LED
F4. RS232/RS422/RS485
F5. RS232
F6. SD Card Reader
F7. USB 2.0 Port

XS36V5 Back Panel



B1. Mic-in
B2. Headphone
B3. LAN Port
B4. Kensington Lock
B5. USB 3.0 Port
B6. USB 2.0 Port
B7. HDMI Port
B8. Display Port
B9. DC-in
B10. D-Sub (VGA) Port

Application Fields

High Value Full HD Digital Signage Players — XS35V4 & XS36V4

Shuttle's XS35V4 and XS36V4 signage players are capable of playing full HD video flawlessly, designed for POS, POI, queuing machine and digital signage applications. Both are equipped with an Intel® Bay Trail processor for lower-power consumption and energy saving. The XS35V4 and XS36V4 feature a respective body thickness of only 38.5mm and 36mm and a fanless cooling design to ensure long-term stable and silent operation. With multiple I/O interfaces, both support great peripheral connectivity for vertical applications.

Energy-efficient Bay Trail CPU

Save costs with the energy-efficient 22 nm Intel® Celeron® J1900 quad-core processor and support for up to 8GB DDR3L low-voltage memory.

24/7 Certified in 0-40°C Environments

Made with quality materials, the series allows for 24/7 stable operation over long periods of time in 40°C environments.

Support multiple Full HD video formats

The V4 series built-in processors have integrated Intel® HD Graphics. With suitable playback software and decoders, it can support FLV1, AVC1, H264, XVID, MP4, VC1, and more encoding formats of Full HD video.

Connectivity with two COM ports (XS36V4 only)

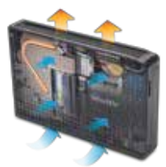
The XS36V4 has built-in one RS232 and one RS232/422/485 (both support 5V/12V) as well as multiple USB ports for easy connection to peripherals like thermal printers, label printers, and barcode scanners.

Support dual-screen display output

The series provides HDMI, DisplayPort, and D-sub video outputs to support dual-screen display, using the following configurations: D-Sub + HDMI, D-Sub + DisplayPort, and HDMI + DisplayPort

Internal USB port (XS35V4 only)

Ensure theft protection of USB connected devices with the XS35V4's internal USB 2.0 port and protect USB TV tuners, USB 3G Modules, or other USB expanders.



Fanless design

The series is fanless and uses a thermal heat pipe module plus smart vent design to transmit heat throughout the device quickly and evenly.

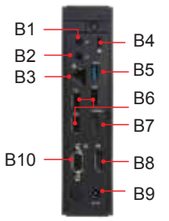
Support wire and wireless high-speed networks

The V4 series has a built-in 10/100/1000 Mbps LAN interface and supports Wake On LAN function. With a built-in IEEE802.11b/g/n wireless network card, transmission rates reach up to 300 Mbps.

XS35V4 Front Panel

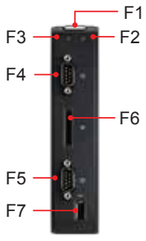
F1. Power Button
F2. Power LED
F3. HDD LED
F4. SD Card Reader
F5. ODD/ Second HDD (Optional)
F6. USB 2.0 Port

XS35V4 Back Panel



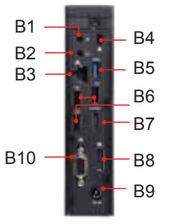
B1. Mic-in
B2. Headphone
B3. LAN Port
B4. Kensington Lock
B5. USB 3.0 Port
B6. USB 2.0 Port
B7. HDMI Port
B8. Display Port
B9. DC-in
B10. D-Sub (VGA) Port

XS36V4 Front Panel



F1. Power Button
F2. Power LED
F3. HDD LED
F4. RS232/RS422/RS485
F5. RS232
F6. SD Card Reader
F7. USB 2.0 Port

XS36V4 Back Panel



B1. Mic-in
B2. Headphone
B3. LAN Port
B4. Kensington Lock
B5. USB 3.0 Port
B6. USB 2.0 Port
B7. HDMI Port
B8. Display Port
B9. DC-in
B10. D-Sub (VGA) Port

Application Fields

Full HD Digital Signage | Thin Client | Office | POS (XS36V4 only) | Queuing System

Cost Effective Digital Signage Player — XS35V3L & XS36VL

Shuttle's slim media player XS35V3L and XS36VL are both equipped with Intel® Cedar Trail-D platform technology with an integrated energy-saving Intel® Atom™ dual-core processor. The fanless 1-liter series uses a thermal heat pipe module to ensure passive cooling and silent operation. The combination of VESA mount capability and multiple I/O interface makes it easy to fit diverse vertical applications.

Intel® Cedar Trail-D platform technology

Equipped with a 32nm Intel® Atom™ dual-core processor, ensuring energy-saving and stable operation within commercial applications.

Two RS232 ports (XS36VL only)

The XS36VL has built-in two RS232 ports at the front panel as well as multiple USB ports for easy connection to thermal printers, label printers, barcode scanners and more.

Support dual-screen display output

The XS35V3L provides HDMI and D-Sub; the XS36VL is built-in HDMI, DVI-D and D-sub video outputs to support dual-screen display.

Flexible configuration of ODD (XS35V3L only)

The compact XS35V3L can be configured with either a slim ODD or an additional hard drive for more storage. Users can also choose the optional accessory PHD2 to support a second hard drive.

Fanless design and 24/7

Approved for 24/7 operation, the series is fanless and uses a thermal heat pipe module designed to transmit heat throughout the device quickly and evenly.

Support wire and wireless high-speed networks

The series has a built-in 10/100/1000 Mbps LAN interface and supports Wake On LAN function. With a built-in IEEE802.11b/g/n wireless network card, transmission rates reach up to 300 Mbps.

Compact and VESA Mountable

The 1 liter series are VESA mountable and made for easy configuration into hardware systems.

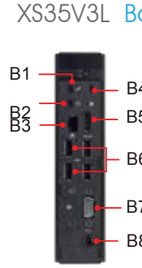
Energy Saving & Extremely quiet

With exclusive low-power consumption and fanless design, a mere 40 watt power adapter is sufficient to normal system operation. Use solid-state disks for completely noise-free operation.

XS35V3L Front Panel

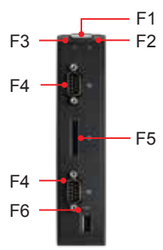
F1. Power Button
F2. Power LED
F3. HDD LED
F4. SD Card Reader
F5. ODD/ Second HDD (Optional)
F6. USB 2.0 Port

XS35V3L Back Panel



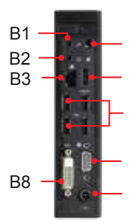
B1. Mic-in
B2. Headphone
B3. LAN Port
B4. Kensington Lock
B5. HDMI Port
B6. USB 2.0 Port
B7. D-Sub (VGA) Port
B8. DC-in

XS36VL Front Panel



F1. Power Button
F2. Power LED
F3. HDD LED
F4. RS232
F5. SD Card Reader
F6. USB 2.0 Port

XS36VL Back Panel



B1. Mic-in
B2. Headphone
B3. LAN Port
B4. Kensington Lock
B5. HDMI Port
B6. USB 2.0 Port
B7. D-Sub (VGA) Port
B8. DVI-D Port
B9. DC-in

Application Fields

Digital Signage | Thin Client | Office | POS (XS36VL only) | Queuing System

Slim series platform

High Performance & Multi-port platform

Mid-Range

Entry-Level

Models		XH97V	XH81 / XH81V	DS87	DS81	DS57U3/U5/U7	DS57U	XS36V5	XS35V5
Cooling system		Smart fan	Smart fan	Smart fan	Smart fan	Fanless	Fanless	Fanless	Fanless
CPU		Intel® Haswell/ Haswell Refresh LGA1150 socket Core i3/i5/i7, Pentium, Celeron 65W processor	Intel® Haswell/ Haswell Refresh LGA1150 socket Core i3/i5/i7, Pentium, Celeron 65W processor	Intel® Haswell/ Haswell Refresh LGA1150 socket Core i3/i5/i7, Pentium, Celeron 65W processor	Intel® Haswell/ Haswell Refresh LGA1150 socket Core i3/i5/i7, Pentium, Celeron 65W processor	Intel® i3-5005U/i5-5200U/i7-5500U	Intel® Celeron 3205U	Intel® Celeron N3050	Intel® Celeron N3050
Chipset		Intel H97	Intel H81	Intel H87	Intel H81	Integrated in CPU	Integrated in CPU	Integrated in CPU	Integrated in CPU
Video Engine Processor		Intel HD Graphic series engine integrated in CPU (Dynamic Video Memory)	Intel HD Graphic series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphic series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphic series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphic series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphic series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphic engine integrated in CPU	Intel® HD Graphic engine integrated in CPU
Video Capability(Full HD or 4K)		4K	4K	4K	4K	4K	Full HD	Full HD	Full HD
Memory		2 X DDR3 1600 MHz, Max. 16GB	2 X DDR3 1600 MHz, Max. 16GB	2 X DDR3 1600 MHz, Max. 16GB	2 X DDR3 1600 MHz, Max. 16GB	2 X DDR3L 1600 MHz, Max. 16GB	2 X DDR3L 1600 MHz, Max. 16GB	1 X DDR3L 1600 MHz, Max. 8GB	1 X DDR3L 1600 MHz, Max. 8GB
Storage Interface		SATA 6G	SATA 3G/6G	SATA3G/6G/SD card reader	SATA3G/6G/SD card reader	SATA6G / SD card reader	SATA6G / SD card reader	SATA6G / SD card reader	SATA6G / SD card reader
Storage Bay		1 X 2.5" HDD or SSD 1 X 12.7mm Slim ODD	1 X 2.5" HDD or SSD 1 X 12.7mm Slim ODD	1 X 2.5" HDD or SSD	1 X 2.5" HDD or SSD	1 X 2.5" HDD or SSD	1 X 2.5" HDD or SSD	1 X 2.5" HDD or SSD	1 X 2.5" HDD or SSD 1 X 12.7mm Slim ODD
Expansion Slot	Mini-PCIe	(1) Full size Mini-PCI-E (1) Half size Mini-PCI-E	(1) Full size Mini-PCI-E (1) Half size Mini-PCI-E	(1) Full size Mini-PCI-E (1) Half size Mini-PCI-E	(1) Full size Mini-PCI-E (1) Half size Mini-PCI-E	(1) Full size Mini-PCI-E (1) Half size Mini-PCI-E	(1) Full size Mini-PCI-E (1) Half size Mini-PCI-E	(1) Half size Mini-PCI-E	(1) Half size Mini-PCI-E
Video Ouput	DVI Port	-	-	-	-	-	-	-	-
	VGA Port	-	1 (optional)	1 (optional)	1 (optional)	-	-	1	1
	HDMI Port	1	1	1	1	1	1	1	1
	Display Port	2	1	2	2	1	1	1	1
I/O Port	USB 2.0	4	6	6	6	4	4	3	3
	USB 3.0	4	2	2	2	2	2	2	2
	eSATA Port	1	-	-	-	-	-	-	-
	COM Port	(1) RS232	(1) RS232 ,(1) RS232/422/485, Support 5V/12V	(1) RS232 ,(1) RS232/422/485, Support 5V/12V	(1) RS232 ,(1) RS232/422/485, Support 5V/12V	(1) RS232 ,(1) RS232/422/485, Support 5V/12V	(1) RS232 ,(1) RS232/422/485, Support 5V/12V	(1) RS232 ,(1) RS232/422/485, Support 5V/12V	-
	Line in/Line out/Mic in	1/1/1	1/1/1	-/1/1	-/1/1	-/1/1	-/1/1	-/1/1	-/1/1
Ethernet/WiFi		10/100/1000 Mbps Ethernet Mini-PCIE 802/11 b/g/n WiFi module (optional)	10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) Mini-PCIE 802.11b/g/n WiFi module (optional)	10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) Mini-PCIE 802.11b/g/n WiFi module (optional)	10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) Mini-PCIE 802.11b/g/n WiFi module (optional)	10/100/1000 Mbps Ethernet (RJ45 X2) Mini-PCIE 802.11b/g/n WiFi module	10/100/1000 Mbps Ethernet (RJ45 X2) Mini-PCIE 802.11b/g/n WiFi module	10/100/1000 Mbps Ethernet Mini-PCIE 802/11 b/g/n WiFi module	10/100/1000 Mbps Ethernet Mini-PCIE 802.11 b/g/n WiFi module
Kensington Lock Hole		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mounting Support		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dimensions(L/W/H) mm		240 x 200 x 72	240 x 200 x 72	190 x 165 x 43	190 x 165 x 43	200 x 165 x 39.5	200 x 165 x 39.5	200 x 160 x 36	252 x 162 x 38.5
Weight	NW (kg)	2.2	2.2	1.3	1.3	1.3	1.3	1.6	2.1
	GW (kg)	3.5	3.5	2.05	2.05	2.05	2.05	2.3	2.8
Certification		CB,CE,BSMI,ETL,CCC, FCC,C-tick,RoHS	CB,CE,BSMI,ETL,CCC, FCC,C-tick,RoHS	CB,CE,BSMI,ETL,CCC, FCC,C-tick,RoHS	CB,CE,BSMI,ETL,CCC, FCC,C-tick,RoHS	CB,CE,BSMI,ETL, FCC,C-tick,RoHS	CB,CE,BSMI,ETL, FCC,C-tick,RoHS	CB,CE,BSMI,ETL,CCC, FCC,C-tick,RoHS	CB,CE,BSMI,ETL,CCC, FCC,C-tick,RoHS
Operating Temperature (°C)		0~50	0~50	0~50	0~50	0~40	0~40	0~40	0~40
Chassis		Metal	Metal	Metal	Metal	Metal + Plastic	Metal + Plastic	Plastic	Aluminum/Plastic, Plastic only (optional)
Power Supply		90W external adapter	90W external adapter	90W external adapter	90W external adapter	65W external adapter	65W external adapter	40W external adapter	40W external adapter
Operating System		Windows 7 / 8 / 8.1 / 10 ready, Linux	Windows 7 / 8 / 8.1 / 10 ready, Linux	Windows 7 / 8 / 8.1 / 10 ready, Linux	Windows 7 / 8 / 8.1 / 10 ready, Linux	Windows 7 / 8 / 8.1 / 10 ready, Linux	Windows 7 / 8 / 8.1 / 10 ready, Linux	Windows 8/8.1 64bit / 10 ready, Linux	Windows 8/8.1 64bit / 10 ready, Linux
Accessories(Optional)		PS01, PV02, PHD4, WLN-S (2T2R)	PS01,PV02,PHD4,PCM3(XH81 only),WLN-S (2T2R)	WLN-S (2T2R) , PVG01	WLN-S (2T2R) , PVG01	-	-	PV03	PV01, PHD2

Slim series platform

High Performance & Multi-port platform

Mid-Range

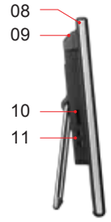
Entry-Level

Models		XS36V4	XS35V4	XS36VL	XS35V3L
Cooling system		Fanless	Fanless	Fanless	Fanless
CPU		Iintel Celeron J1900	Iintel Celeron J1900	Intel® Atom D2550	Intel® Atom D2550
Chipset		Integrated in CPU	Integrated in CPU	Intel® NM10	Intel® NM10
Video Engine Processor		Intel HD Graphic engine integrated in CPU	Intel HD Graphic engine integrated in CPU	Intel® GMA3650	Intel® GMA3650
Video Capability(Full HD or 4K)		Full HD	Full HD	HD	HD
Memory		1 X DDR3L 1333 MHz, Max. 8GB	1 X DDR3L 1333 MHz, Max. 8GB	2 X DDR3 1066 MHz, Max 4GB	2 X DDR3 1066 MHz, Max 4GB
Storage Interface		SATA 3G / SD card reader	SATA 3G / SD card reader	SATA 3G / SD card reader	SATA 3G / SD card reader
Storage Bay		1 X 2.5" HDD or SSD	1 X 2.5" HDD or SSD 1 X 12.7mm Slim ODD	1 X 2.5" HDD or SSD	1 X 2.5" HDD or SSD 1 X 12.7mm Slim ODD
Expansion Slot	Mini-PCIe	(1) Half size Mini-PCI-E	(1) Half size Mini-PCI-E	(1) Half size Mini-PCI-E	(1) Half size Mini-PCI-E
Video Ouput	DVI Port	-	-	1	-
	VGA Port	1	1	1	1
	HDMI Port	1	1	1	1
	Display Port	1	1	-	-
I/O Port	USB 2.0	4	4	5	5
	USB 3.0	1	1	-	-
	eSATA Port	-	-	-	-
	COM Port	(1) RS232 ,(1) RS232/422/485, Support 5V/12V	-	(2) RS232	-
	Line in/Line out/Mic in	-/1/1	-/1/1	-/1/1	-/1/1
Ethernet/WiFi		10/100/1000 Mbps Ethernet Mini-PCIE 802/11 b/g/n WiFi module	10/100/1000 Mbps Ethernet Mini-PCIE 802.11 b/g/n WiFi module	10/100/1000 Mbps Ethernet Mini-PCIE 802.11 b/g/n WiFi module	10/100/1000 Mbps Ethernet Mini-PCIE 802.11 b/g/n WiFi module
Kensington Lock Hole		Yes	Yes	Yes	Yes
Mounting Support		Yes	Yes	Yes	Yes
Dimensions(L/W/H) mm		200 x 160 x 36	252 x 162 x 38.5	200 x 160 x 36	252 x 162 x 38.5
Weight	NW (kg)	1.6	2.1	1.6	2.1
	GW (kg)	2.3	2.8	2.3	2.8
Certification		CB,CE,BSMI,ETL,CCC, FCC,C-tick,RoHS	CB,CE,BSMI,ETL,CCC, FCC,C-tick,RoHS	CB,CE,BSMI,ETL,CCC, FCC,C-tick,RoHS	CB,CE,BSMI,ETL,CCC, FCC,C-tick,RoHS
Operating Temperature (°C)		0~40	0~40	0~35	0~35
Chassis		Plastic	Plastic	Plastic	Plastic
Adapter		40W external adapter	40W external adapter	40W external adapter	40W external adapter
Operating System		Windows 7 64bit / 8 / 8.1 64bit / 10 ready, Linux	Windows 7 64bit / 8 / 8.1 64bit / 10 ready, Linux	Windows 7 32bit / 10 ready	Windows 7 32bit / 10 ready
Accessories(Optional)		PV03	PV01, PHD2	PV03	PV01, PHD2

AIO: All-in-One Touchscreen PCs for Business Solutions — X50 & X70 series

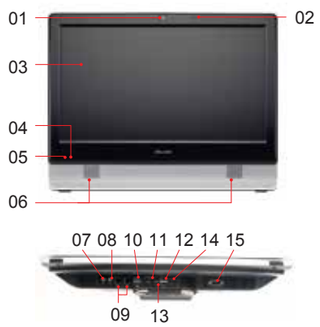
The X50 and X70 AIO series are made to drive KIOSK, POS, POI, and queuing systems. Whether needed to engage with customers or manage POS systems, Shuttle's stylishly thin AIO is VESA mountable and is easily mounted on the wall or propped up with a stand. The series is designed to enhance digital solutions with reliable performance and a full I/O interface to connect with multiple peripheral devices. For continuous use over long-periods of time, the series is 24/7 certified and runs cool with advanced heat pipe technology.

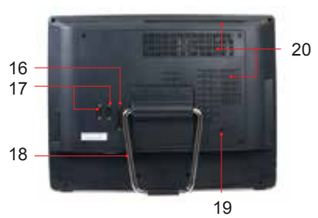
X50V4 Front/Rear/Side Panel



01. Stand / Handle
02. Microphone
03. Webcam
04. LCD Display (X50V2 PL non-touch)
05. Hard disk drive LED
06. Power LED
07. Stereo speaker
08. Power Switch
09. Stylus pen
10. SD card reader
11. USB 2.0
12. Printer Port (Optional)
13. COM Port (Optional)
14. Lan Port
15. DIO Port
16. Kensington Lock
17. DC-in
18. USB 2.0
19. Lan Port
20. USB 3.0
21. HDMI
22. VGA Port
23. Headphone
24. MIC-in

X70 series Front/Rear/Side Panel





01. Webcam
02. Microphone
03. LCD Display(Single/Multi/Non Touch)
04. Hard Disk Drive LED
05. Power LED
06. Stereo speaker
07. Mic-in
08. Headphone
09. Lan Port
10. USB 3.0 Port
11. HDMI Port
12. USB 2.0 Port
13. Clear CMOS Button
14. DC-in
15. COM Port
16. Printer Port (Optional)
17. COM Ports (Optional)
18. Stand / Handle
19. Kensington Lock
20. Thermal Vent
21. Power Button
22. USB 2.0 Port
23. USB 2.0 Port
24. SD Card Reader

Interactive Touch Display
Enhance user experience with options for seamless single or multi-touch interactivity.

IP54 Design(X50V4 only)
The X50V4 front panel is designed according to IP54 dust-proof and spill-resistant certification standards. It can be used for those indoor applications, where the touch screen may be exposed to humidity and occasional splashing of water.

Flexible CPU options
Meet computing demands in a variety of environments, Shuttle offers both barebone and CPU-equipped systems to drive Intel® Core™, Celeron®, and Atom™ technology.

Connect with peripheral devices
Shuttle offers a diverse I/O interface in adition to an optional LPT/COM accessory for customers who need added contectivity with peripherals.

Advanced heat pipe cooling design
Made with Shuttle's exclusive heat pipe technology, the smart fan equipped X70 series and fanless X50 series are designed for remarkably cool and quiet operation.

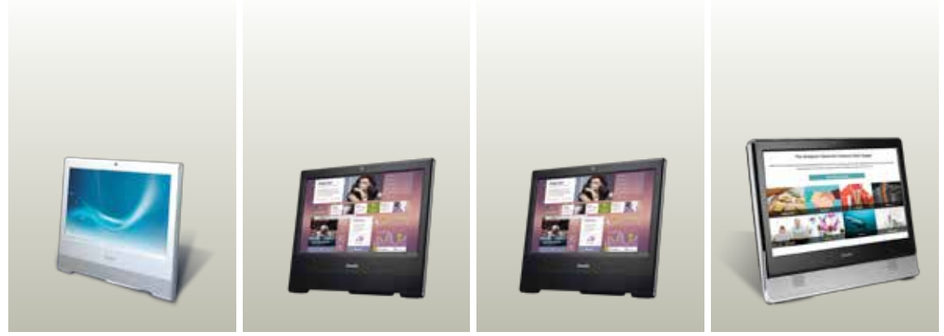
Support wire and wireless high-speed networks
Built-in 10/100/1000 Mbps LAN interface and supports Wake On LAN function. Transmission rates reach up to 300Mbps with built-in IEEE802.11b/g/n wireless network card.

24/7 Certified
Made with high quality materials, the series is approved for 24/7 nonstop operation to meet the demands of industrial applications.

Easy Installation: VESA Mountable
Shuttle's AIO series are VESA mountable. No need for integration into kiosk or casing, simply mount on the wall or prop up with a built-in stand.

Application Fields

Queuing System | Retail POS | Public-web KIOSK | Information KIOSK | Intercom System



Models		X50V2 Plus	X50V3L	X50V4	X70 S/M/N
Panel		15.6"	15.6"	15.6"	18.5 " X70S: Single touch X70M: Multi-touch X70N: Non-touch
CPU		Intel® Atom D525	Intel® Atom D2550	Intel® Celeron 2957U	Intel® 2nd/3rd Generation LGA1155 socket Core i3/i5/i7, Pentium, Celeron 65W processor
Chipset		Intel® NM10	Intel® NM10	Integrated in CPU	Intel® H61
Video Engine Processor		Intel® GMA 3150	Intel® GMA 3650	Intel® HD Graphic engine	Intel® HD Graphic series engine integrated in CPU (Dynamic Video Memory)
Memory		2 X DDR3 800 MHz, Max 4GB	2 X DDR3 1066 MHz, Max 4GB	1 X DDR3L 1333 MHz, Max 8GB	2 X DDR3 1333 MHz, Max 16GB
Storage		SATA3 / SD card reader	SATA3 / SD card reader	SATA6 / SD card reader	SATA3/SATA6 / SD card reader
Expansion Slot	Mini-PCIe	(1) Half size Mini-PCI-E	(1) Half size Mini-PCI-E	(1) Half size Mini-PCI-E (1) Full size Mini-PCI-E	(1) Half size Mini-PCI-E (1) Full size Mini-PCI-E
Video Output	VGA Port	1	1	1	-
	HDMI Port	-	1	1	1
I/O Port	COM Port	optional	optional	optional	RS232 X1
	USB2.0	4	4	4	6
	USB 3.0	-	-	2	2
	Audio	HD 2 channel, 2X 2W internal speaker	HD 2 channel, 2X 2W internal speaker	HD 2 channel, 2X 2W internal speaker	HD 2 channel, 2X 2W internal speaker
Ethernet/WiFi		10/100/1000 Mbps Ethernet 802.11 b/g/n WLAN	10/100/1000 Mbps Ethernet 802.11 b/g/n WLAN	10/100/1000 Mbps Ethernet 802.11 b/g/n WLAN	10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) 802.11 b/g/n WLAN
Webcam		Yes	Yes	Yes	Yes
Microphone		Yes	Yes	Yes	Yes
Dimensions(L/W/H) mm		391.3x327x42	391.3x327x42	391.3x327x42	468x364x57
Weight	NW (kg)	2.92	2.92	2.92	4.6
	GW (kg)	4.2	4.2	4.2	6.5
Certification		CB,CE,BSMI,ETL,CCC, FCC,C-tick,RoHS	CB,CE,BSMI,ETL,CCC, FCC,C-tick,RoHS	CB,CE,BSMI,ETL FCC,C-tick,RoHS	CB,CE,BSMI,ETL,CCC, FCC,C-tick,RoHS
Operating Temperature (°C)		0~40	0~40	0~40	0~50
Adapter		40W	40W	65W	120W
Operating System		Windows XP / 7 / 10 ready, Linux	Windows 7 32bit / 10 ready	Windows 7 / 8 / 10 ready, Linux	Windows XP / 7 / 8 / 10 ready, Linux
Color		Black/White	Black/White	Black/White	Sliver
Accessories(Optional)		PCL68	PCL69	PCL71/POS01	PCL70

High-performance Industrial Application Mini-server — XPC series

Shuttle's industry renowned XPC series is only 1/3 size of a traditional tower PC but delivers the same performance with high durability and strong expandability. The XPC series is equipped with Shuttle's I.C.E.2™ heat pipe cooling technology and smart fan design to efficiently remove waste heat. The XPC series supports the latest generation of Intel® processors and provides a robust I/O interface in addition to dual-slot PCI-Ex16 and one full-size and one half-size Mini PCIe expansion slots. It features impressive performance to support diverse commercial applications, including multi-display digital signage, video wall, and mini server.

Support Intel® 4th generation Core™ processor

Equipped with Intel® 8 and 9 series chipsets, the XPC series supports Intel® Haswell/Haswell Refresh Core™ i3/i5/i7 as well as Pentium® and Celeron® Processors.

Strong Expandability

Connect with multiple peripheral devices (i.e. thermal printers, barcode scanners, etc.) with USB2.0/3.0 and optional RS232/LPT ports.

Integrated Cooling Engine 2 (I.C.E. 2) Heat pipe Technology

Shuttle's I.C.E.2™ thermal module uses convection cooling to dissipate heat away from the CPU. The copper tubes, coated in nickel for enhanced tube hardness and rust-proof protection, are filled with distilled water to effectively channel heat.

Support wire and wireless high-speed networks

Support Wake-on-LAN function with built-in 10/100/1000 Mbps single LAN or dual LAN interface options. The XPC series also provides Mini PCIe interface for wireless network cards to enhance data transfer speed.

Support up to three independent screens

The SH97R6 has one HDMI and two DisplayPorts built-in to support three independent screens; The XPC 8 series provides one HDMI and one DVI-I interface to support dual-screen display.

80 Plus certified Power supply

The XPC series is highly energy-efficient, equipped with energy-saving 80 Plus Silver certified and 80 plus Bronze certified power supply configurations.

Support high-end graphic applications

The XPC series is designed to power video walls and 3D graphics applications with support for dual slot graphic cards.

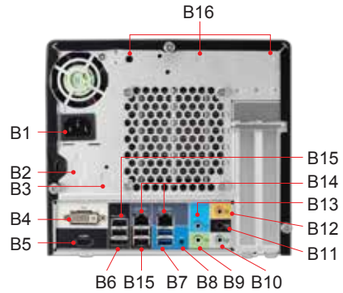
Power on by RTC

Save energy costs as well as the cost of on-site service with Power-On by RTC function. The XPC series can be automatic turned on and off with the Windows task scheduler and power on by RTC.

XPC series Front Panel

F1. 5.25" Bay
F2. 3.5" Bay
F3. Eject Button
F4. 3.5"Bay Open Button
F5. Power Switch & Power LED
F6. HDD LED
F7. USB3.0 Ports
F8. USB2.0 Port
F9. Mic-in
F10. Headphone
F11. USB2.0 Port & Fast Charger

XPC series Back Panel



B1. AC Power Socket
B2. Serial Port (Optional)
B3. S/PDIF Out Port
B4. DVI-I Port
B5. HDMI Port
B6. eSATA
B7. USB3.0 Ports
B8. Clear CMOS Button
B9. Front Speaker Out (L/R) Port
B10. Side Speaker Out (L/R) Port
B11. Real Speaker Out (L/R) Port
B12. Center/Subwoofer Speaker Out Port
B13. Line-In Port
B14. LAN Port
B15. USB2.0 Port
B16. Wireless LAN Perforation (Optional)

Application Fields

Models	SH97R6	SZ87R6	SH87R6	SH81R4
CPU	Intel® Haswell/ Haswell Refresh LGA 1150 Core i3/i5/i7, Pentium, Celeron 95W CPU	Intel® Haswell/ Haswell Refresh LGA 1150 Core i3/i5/i7, Pentium, Celeron 95W CPU	Intel® Haswell/ Haswell Refresh LGA 1150 Core i3/i5/i7, Pentium, Celeron 95W CPU	Intel® Haswell/ Haswell Refresh LGA 1150 Core i3/i5/i7, Pentium, Celeron 95W CPU
Chipset	Intel® H97	Intel® Z87	Intel® H87	Intel® H81
Video Engine Processor	Intel® HD Graphic integrated in CPU (Dynamic video memory)	Intel® HD Graphic integrated in CPU (Dynamic video memory)	Intel® HD Graphic integrated in CPU (Dynamic video memory)	Intel® HD Graphic integrated in CPU (Dynamic video memory)
Memory	4 X DDR3 1600 MHz, Max. 32GB	4 X DDR3 1600 MHz, Max. 32GB	4 X DDR3 1600 MHz, Max. 32GB	2 X DDR3 1600 MHz, Max. 16GB
Storage	SATA 6G	SATA 6G	SATA 6G	SATA 3G/ SATA 6G
Storage Bay	2x3.5" HDD or SSD 1x5.25" ODD bay	2x3.5"HDD or SSD 1x5.25" ODD bay	2x3.5" HDD or SSD 1x5.25" ODD bay	2x3.5" HDD or SSD 1x5.25" ODD bay
Audio	HD 7.1 channel	HD 7.1 channel	HD 7.1 channel	HD 5.1 channel
Ethernet	10/100/1000 Mbps (RJ45 X1)	10/100/1000 Mbps (RJ45 X2 with teaming feature)	10/100/1000 Mbps (RJ45 X1)	10/100/1000 Mbps (RJ45 X1)
Expansion Slot — PCI Express Slots	(1) PCI-E X16, (1) PCI-E X4	(1) PCI-E X16, (1) PCI-E X1	(1) PCI-E X16, (1) PCI-E X1	(1) PCI-E X16, (1) PCI-E X1
Expansion Slot — Mini-PCIe	(1) Full size Mini-PCI-E (1) Half size Mini-PCI-E	(1) Full size Mini-PCI-E (1) Half size Mini-PCI-E	(1) Full size Mini-PCI-E (1) Half size Mini-PCI-E	(1) Full size Mini-PCI-E (1) Half size Mini-PCI-E
Video output — DVI-I Port	-	1	1	1
Video output — HDMI Port	1	1	1	1
Video output — Display Port	2	-	-	-
I/O Port — USB 2.0	6	6	6	8
I/O Port — USB3.0	4	4	4	2
I/O Port — eSATA	1	1	1	-
I/O Port — Front Headphone/Mic in	1/1	1/1	1/1	1/1
I/O Port — S/PDIF Out	-	1	1	-
Power Supply	300W 80 Plus	500W 80 Plus Silver	300W 80 Plus	300W 80 Plus
Dimensions(L/W/H) mm	332x216x198	332x216x198	332x216x198	325x215x190
Weight — NW (kg)	3.5	3.5	3.5	3.5
Weight — GW (kg)	5	5	5	5
Certification	CB,CE,BSMI,ETL,CCC, FCC,C-tick,RoHS	CB,CE,BSMI,ETL,CCC, FCC,C-tick,RoHS	CB,CE,BSMI,ETL,CCC, FCC,C-tick,RoHS	CB,CE,BSMI,ETL,CCC, FCC,C-tick,RoHS
Operating Temperature (°C)	0~35	0~35	0~35	0~35
Chassis	Aluminum	Aluminum	Aluminum	Aluminum
Operating System	Windows 7 / 8 / 8.1 / 10 ready, Linux	Windows 7 / 8 / 10 ready, Linux	Windows 7 / 8 / 10 ready, Linux	Windows 7 / 8 / 8.1 / 10 ready, Linux
Accessories(Optional)	WLN-C, PHD3, J-RS232	WLN-C, PHD3, J-RS232	WLN-C, PHD3, J-RS232	WLN-C, PHD3, J-RS232

Find the business solution you're looking for with Shuttle

Shuttle's mini PC, Slim PC, and All-in-One hardware solutions are designed for diverse commercial application, including Digital Signage, Kiosk, Menu Board, Video Wall, and POS. Whether your business is in retail, hospitality, banking, corporate office, transportation, healthcare, security, or education, Shuttle has the right solution to help your business succeed.

Home Medicare

AIO applied in nursing homes to support communications systems and increase patient health and safety.

Point-Of-Sale

A cost effective POS system designed to handle the various daily operations throughout hospitality and retail markets.

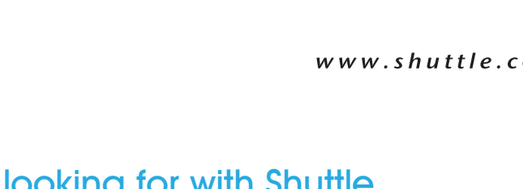
Digital Signage

Retail:

Display rich interactive media content to engage customers and drive sales. Decrease perceived wait time and improve customer experience.

Hotel:

Manage and communicate information about customer service, hotel events, and room rates from a central location.



Bank:

Provide instant financial information relating to the stock market, global exchange rates, and internal bank programs.

Public Transportation:

Display important flight information, power multi-touch way finding kiosks, or generate revenue from ad space.

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