



Shuttle Worldwide Office Locations



Taiwan

Shuttle Headquarters
 No. 30, Lane 76, Rui-Guang Rd.,
 Nei-Hu Dist., Taipei City, Taiwan
 TEL: +886-2-8792-6168
 FAX: +886-2-8792-6268
<http://global.shuttle.com>
 Sales E-mail: sales@tw.shuttle.com
 Media Contact: shuttlepr@tw.shuttle.com

USA

Shuttle Computer Group INC.
 17068 Evergreen Place, City of Industry,
 CA 91745
 TEL: +1-626-820-9000
 FAX: +1-626-820-5060
<http://us.shuttle.com>
sales@us.shuttle.com

Germany

Shuttle Computer Handels GES. M.B.H.
 Fritz-Strassmann Str. 5, D-25337 Elmshorn,
 Germany
 TEL: +49-4121-476860
 FAX: +49-4121-476900
<http://eu.shuttle.com>
sales@shuttle.eu

Japan

Japan Shuttle Co., Ltd
 7F, Koto Building Aioisonpo, 2-8-11
 Sumiyoshi Koto-ku Tokyo 135-0002, Japan
 TEL: +81-3-5625-1670
 FAX: +81-3-5625-1673
<http://jp.shuttle.com>
sales@shuttle-japan.jp

China

ShenZhen Shuttle Co., Ltd
 2B1, Block AB, Tianjing Building,
 Tian an Digital Mall,
 Shennan Boulevard, Futian District,
 ShenZhen, China
 TEL: +86-755-3322-2966
 FAX: +86-755-3322-2968
<http://cn.shuttle.com>
salescn@cn.shuttle.com

Shanghai Office
 Room 635, 6F, No. 789,
 Junyao International Plaza,
 Zhaojiabang Rd., Xuhui District,
 Shanghai, China
 TEL: +86-21-6125-6835
 FAX: +86-21-6125-6899





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.

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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 Point-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.

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





Triple-display Slim PCs to drive 4K content — XH170V & XH97V

Shuttle's XH170V and XH97V are all-round performance 3-liter slim PCs fit for not only home media, but also for the enterprise or industrial environments. Able to support Intel® 4th or 6th generation CPUs, the series can play 4K video content and offer HDMI and DisplayPort video outputs to drive three independent screens. Built-in heatpipe cooling and smart fan ensures the series runs reliably cool in 0-50°C at maximum stability. With huge storage capacity, both allow for up to three 2.5" HDD/SSD or one 3.5" HDD for a wide range of applications.



Support for Intel® Core™ i series Processors

The XH170V supports Intel® 6th generation LGA 1151 (Skylake-S), built-in DirectX 12 compatible with Intel® HD Graphics; the XH97V supports Intel® 4th generation LGA 1150 (Haswell and Haswell Refresh) Core™ i3/i5/i7, Pentium®, Celeron® 65W processors.



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.



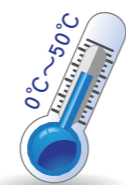
Support 4K high-performance applications

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



Support three independent screens

The XH170V and XH97V provide multiple video output configurations, offering a combination of HDMI and DisplayPort, able to support three screens independently.



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.



Compact and VESA mountable

With accessory PV02, 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 additional 3.5" HDD with Shuttle accessory PHD4.



M.2 & Mini PCIe expansion slots

The XH170V provides one M.2 and one half-size Mini PCIe slots support for M.2 SSD and a WiFi card; the XH97V features one full-size and one half-size Mini PCIe slots support for mSATA SSD, WiFi module, and other compatible modules.



Multiple I/O ports for great connectivity

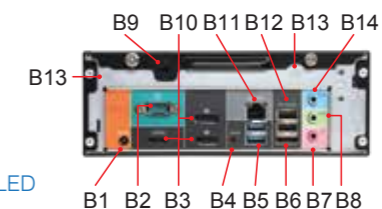
The XH170V and XH97V feature increased USB connectivity with four USB3.0 and four USB 2.0 ports as well as one RS232 ports designed for application in a variety of industries.

XH170V Front Panel



- F1. USB 3.0 Port
- F2. USB 2.0 Port
- F3. Mic-in
- F4. Headphone
- F5. HDD LED
- F6. Power Switch / Power LED
- F7. Slim ODD Bay

XH170V Back Panel



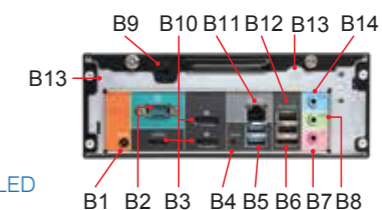
- B1. DC-in
- B2. RS232
- B3. HDMI Port
- B4. Clear CMOS
- B5. USB 3.0 Port
- B6. ESATA
- B7. Mic-in
- B8. Line-out
- B9. Kensington Lock
- B10. DisplayPort
- B11. LAN Port
- B12. USB 2.0 Port
- B13. Antenna hole
- B14. Line-in

XH97V Front Panel



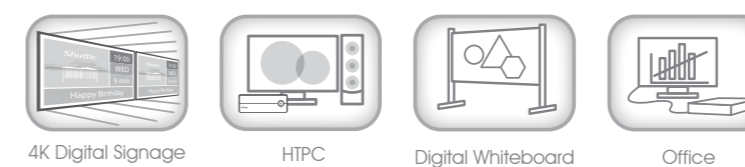
- F1. USB 3.0 Port
- F2. USB 2.0 Port
- F3. Mic-in
- F4. Headphone
- F5. HDD LED
- F6. Power Switch / Power LED
- F7. Slim ODD Bay

XH97V Back Panel



- B1. DC-in
- B2. RS232
- B3. HDMI Port
- B4. Clear CMOS
- B5. USB 3.0 Port
- B6. ESATA
- B7. Mic-in
- B8. Line-out
- B9. Kensington Lock
- B10. DisplayPort
- B11. LAN Port
- B12. USB 2.0 Port
- B13. Antenna hole
- B14. Line-in

Application Fields





High Performance Slim PCs to power Kiosks and Vending Machines — XH81 Series

Shuttle's XH81 series includes XH81 and XH81V powerful 3-liter slim PCs made to drive high-performance Intel® Core™ i processors and deliver dynamic computing where POS, Vending Machines, and Kiosks are running. The series offers multiple video outputs and can drive dual independent screens, with support for 4K/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.



XH81V

XH81



Support for Intel® Core™ i series Processors

The XH81 series supports Intel® 4th generation (Haswell/Haswell Refresh) Core™ i3/i5/i7, Pentium®, Celeron® 65W processors and supports dual-channel DDR3 1600 with up to 16GB memory (8GBx2).



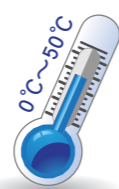
Advanced heat pipe cooling system

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.



Dual Gigabit LAN Network

Dual LAN ports 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.



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

With accessory PV02, VESA mountable XH81 series is designed for easy integration into commercial applications with limited space and gives users the option for a slim ODD or additional 3.5" HDD with Shuttle accessory PHD4.



Support dual-screen display outputs

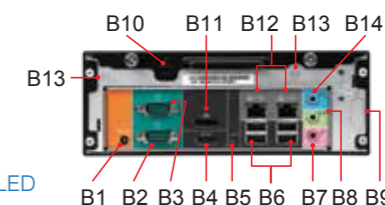
The XH81 series provides multiple video output configurations, offering a combination of HDMI, DisplayPort, and D-sub port (optional), and able to support for dual screens independently.

XH81V Front Panel



- F1. USB 3.0 Port
- F2. USB 2.0 Port
- F3. Mic-in
- F4. Headphone
- F5. HDD LED
- F6. Power Switch / Power LED
- F7. Slim ODD Bay

XH81V Back Panel



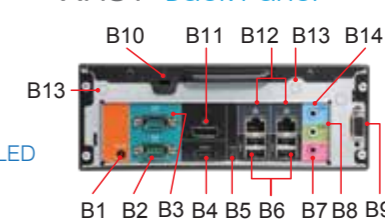
- B1. DC-in
- B2. RS232/RS422/RS485
- B3. RS232
- B4. HDMI Port
- B5. Clear CMOS
- B6. USB 2.0 Port
- B7. Mic-in
- B8. Line-out
- B9. D-Sub (VGA) Port (Optional)
- B10. Kensington Lock
- B11. DisplayPort
- B12. LAN Port
- B13. Antenna hole
- B14. Line-in

XH81 Front Panel



- F1. USB 3.0 Port
- F2. USB 2.0 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. Clear CMOS
- B6. USB 2.0 Port
- B7. Mic-in
- B8. Line-out
- B9. D-Sub (VGA) Port (Optional)
- B10. Kensington Lock
- B11. DisplayPort
- B12. LAN Port
- B13. Antenna hole
- B14. Line-in

Application Fields





4K High-performance Digital Signage Player — DQ170, DH170, & DS81

For high-performance vertical markets, Shuttle launches DQ170, DH170, and DS81 with a body thickness of only 43mm. The series supports international VESA Mount standards and can be fit to diverse commercial applications with limited space. DQ170 and DH170 support Intel® the latest Skylake-S processor(support DX12) and DS81 supports Intel® Haswell/Haswell Refresh processor(support DX11) with built-in Intel® HD graphics series, able to play 4K/Ultra HD video content. 24/7 certified and operable in 0-50°C temperatures, the DQ170, DH170, and DS81 are fit for a variety of commercial applications.



Support Intel® high-performance Core™ i series processors
The DQ170 and DH170 support Intel® 6th generation LGA 1151 (Skylake-S); DS81 supports Intel® 4th generation LGA 1150 (Haswell/Haswell Refresh) Core™ i3/i5/i7, Pentium®, Celeron® 65W processors.

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 DQ170 and DH170 provide HDMI, DisplayPort, and D-sub interface (optional) to support up to three screens independently; the DS81 is able to support dual-screen displays via HDMI, DisplayPort, and D-sub interface (optional).

M.2 and Mini PCIe slots
The DQ170 and DH170 provide one M.2 and one half-size Mini PCIe slots support for M.2 SSD and a Wifi card; the DS81 features one full-size and one half-size Mini PCIe slots support for mSATA SSD, WIFI module, and other compatible modules.

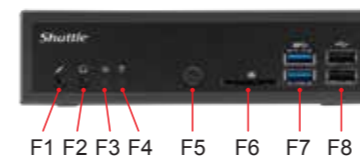
Dual Gigabit LAN Network
Use dual LAN ports and support wake-on LAN and Teaming Mode with built-in 10/100/1000 Mbps. Teaming mode with load balancing and failover function makes a faster, more stable LAN connection.

Support Intel® AMT Technology (DQ170 only)
Equipped with Intel® Core™ vPro™ processor, the DQ170 can support Intel® Active Management Technology (Intel® AMT), which can remotely manage the devices via a wire or wireless network (across different network segments) from anywhere.

Support TPM data encryption (DQ170 only)
The DQ170 supports TPM function (Trusted Platform Module), which provides a set of random keys to protect data security. TPM ensures that unauthorized users do not have permission to access data.

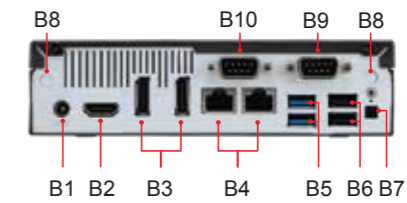
Multiple I/O for great connectivity
Built-in six USB 2.0, two USB3.0, and two COM ports (one RS232 and one RS232/422/485, support 0V/5V/12V), the series can easily connect to peripherals such as thermal printers, label printers, barcode scanners, etc.

DQ170 & DH170 Front Panel



- F1. Mic-in
- F2. Headphone
- F3. Power LED
- F4. HDD LED
- F5. Power Button
- F6. SD Card Reader
- F7. USB 3.0 Port
- F8. USB 2.0 Port

DQ170 & DH170 Back Panel



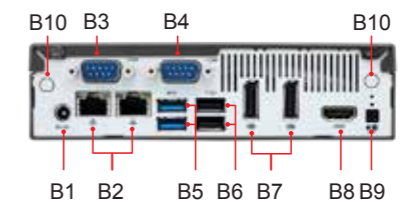
- B1. DC-in
- B2. HDMI Port
- B3. DisplayPort
- B4. LAN Port
- B5. USB 3.0 Port
- B6. USB 2.0 Port
- B7. Clear CMOS & External Power on header
- B8. Antenna hole
- B9. RS232
- B10. RS232/RS422/RS485

DS81 Front Panel



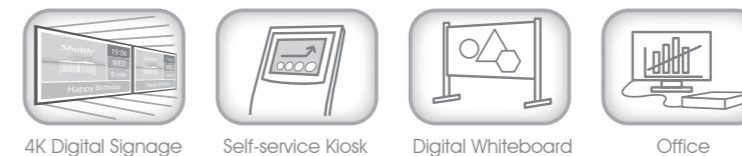
- F1. Mic-in
- F2. Headphone
- F3. Power LED
- F4. HDD LED
- F5. Power Button
- F6. SD Card Reader
- F7. USB 2.0 Port

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. DisplayPort
- B8. HDMI Port
- B9. Clear CMOS & External Power on header
- B10. Antenna hole

Application Fields





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. This series supports for 1.35V DDR3L 1333/1600 low-voltage memory modules, reducing thermal energy production and energy consumption. The DS57U series is fanless design. Even the Core™ i7 model, 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. DS57U series provides multiple I/O ports for peripheral connectivity.

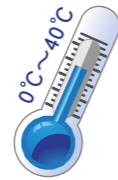


DS57U Series



Intel® Broadwell U Platform Technology

The DS57U series supports the latest Intel® Broadwell U platform technology. With 14nm process, the maximum TDP is only 15W and support for DDR3L-1333/1600 memory module. The series runs on a mere 65W adapter in full use and keeps stable for long-term operation.



24/7 certified for wide operating temperature range

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



Fanless design

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



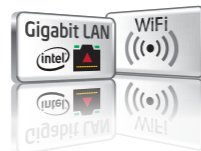
Multiple I/O for great connectivity

With built-in USB2.0x4, USB3.0 x2 and two COM ports (one RS232, one RS232/422/485, both support 0V/5V/12V), 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 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 Intel® Dual Gigabit LAN

The series is built-in Intel® i211 and i218 Dual Gigabit LAN with a better compatibility for business network environments 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.



Support dual-screen display output

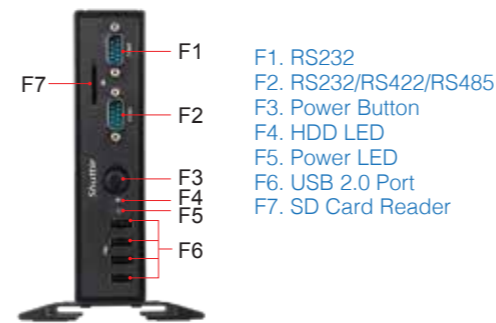
The series provides HDMI and DisplayPort video outputs to support dual-screen displays. Use an adaptor to cover HDMI/DisplayPort to DVI or analog video interface (D-sub).



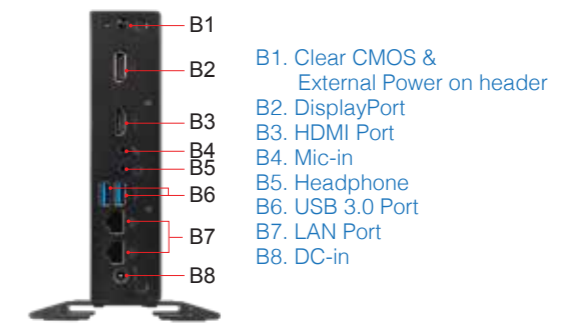
Built-in 2x Mini PCIe slots

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.

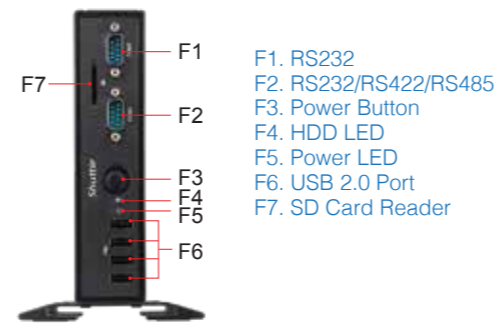
DS57U Front Panel



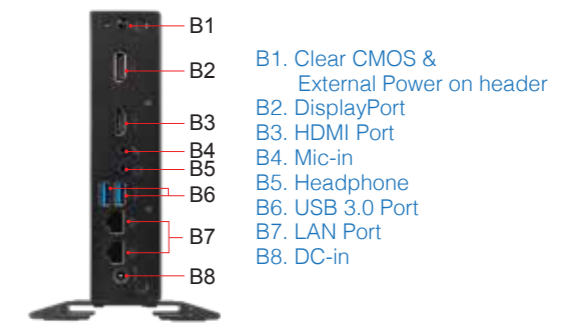
DS57U Back Panel



DS57U3/U5/U7 Front Panel



DS57U3/U5/U7 Back Panel



Application Fields



Digital Signage



Self-service Kiosk



Thin client



Small Office



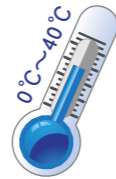
Support triple display signage player — XS35V5 series & XS36V5

Featuring all-new XS35V5 series and XS36V5, a more energy efficient model of the V4 series, are equipped with Intel® next generation Braswell processor with integrated Intel® 8th generation HD Graphics and HDMI, DisplayPort as well as D-sub video interfaces, able to support three independent displays. This new XS35V5 series provide two different outlooks, including XS35V5 and XS35V5 Pro. With thickness of only 38.5mm (XS35V5 series) and 36 mm (XS36V5), all 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 platform

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 for wide operating temperature range

Made with quality materials, the series allows for 24/7 stable operation over long periods of time in 0-40°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, MPV4, 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 0V/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.



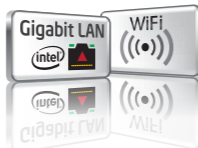
Internal USB port (XS35V5 series only)

Ensure theft protection of USB connected devices with the XS35V5 series internal type A USB 2.0 port and protect USB TV tuners, USB 3G modules, or other USB expanders.



Fanless design

The V5 series features fanless design and uses a thermal heat sink 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 series Front Panel



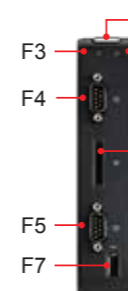
- F1. Power Button
- F2. Power LED
- F3. HDD LED
- F4. SD Card Reader
- F5. ODD/ Second HDD (Optional)
- F6. USB 2.0 Port

XS35V5 series Back Panel



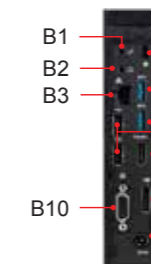
- B1. Mic-in
- B2. Headphone
- B3. LAN Port
- B4. Kensington Lock
- B5. USB 3.0 Port
- B6. USB 2.0 Port
- B7. HDMI Port
- B8. DisplayPort
- B9. DC-in
- B10. D-Sub (VGA) Port

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. DisplayPort
- B9. DC-in
- B10. D-Sub (VGA) Port

Application Fields



Full HD Digital Signage



Thin client



Office



POS (XS36V5 only)



Queuing System



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.

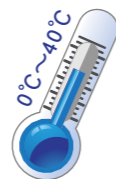


XS35V4 XS36V4



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 for wide operating temperature range

Made with quality materials, the series allows for 24/7 stable operation over long periods of time in 0-40°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, MPV4, 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 0V/5V/12V) as well as multiple USB ports for easy connection to peripherals like thermal printers, label printers, and barcode scanners.



Internal USB port (XS35V4 only)

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



Support dual-screen display output

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



Fanless design

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



Support wire and wireless high-speed networks

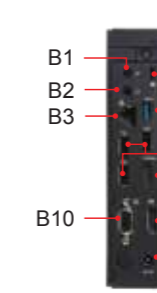
The V4 series has a built-in 10/100/1000 Mbps LAN interface and supports Wake On LAN function. With a built-in IEEE802.11b/g/n wireless network card, transmission rates reach up to 300 Mbps.

XS35V4 Front Panel



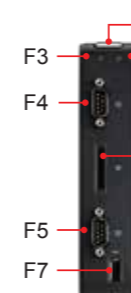
- F1. Power Button
- F2. Power LED
- F3. HDD LED
- F4. SD Card Reader
- F5. ODD/ Second HDD (Optional)
- F6. USB 2.0 Port

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. DisplayPort
- 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. DisplayPort
- B9. DC-in
- B10. D-Sub (VGA) Port

Application Fields



Full HD Digital Signage



Thin client



Office



POS
(XS36V4 only)



Queuing System

		Slim series platform							
		High Performance & Multi-port platform							
		Mid-Range							
		Entry-Level							
Models		XH170V	XH97V	XH81 / XH81V	DQ170	DH170	DS81	DS57U3/U5/U7	DS57U
Cooling system		Smart fan	Smart fan	Smart fan	Smart fan	Smart fan	Smart fan	Fanless	Fanless
CPU		Intel® Skylake LGA1151 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® Skylake LGA1151 socket Core i3/i5/i7, Pentium, Celeron 65W processor	Intel® Skylake LGA1151 socket Core i3/i5/i7, Pentium, Celeron 65W processor	Intel® Haswell/ Haswell Refresh LGA1150 socket Core i3/i5/i7, Pentium, Celeron 65W processor	Intel® Core i3-5005U Intel® Core i5-5200U Intel® Core i7-5500U	Intel® Celeron 3205U
Chipset		Intel® H170	Intel® H97	Intel® H81	Intel® Q170 support vPro™	Intel® H170	Intel® H81	Integrated in CPU	Integrated in CPU
Video Engine Processor		Intel® HD Graphics series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphics series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphics series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphics series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphics series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphics series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphics series engine integrated in CPU (Dynamic Video Memory)	Intel® HD Graphics
Video Capability(Full HD/4K)		4K	4K	4K	4K	4K	4K	4K	Full HD
Memory		2 x DDR3L 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	2 x DDR3 1600 MHz, Max. 16GB	2 x DDR3L 1600 MHz, Max. 16GB	2 x DDR3L 1600 MHz, Max. 16GB
Storage Interface		SATA 6G	SATA 6G	SATA 3G/6G	SATA 6G/SD card reader	SATA 6G/SD card reader	SATA 3G/6G/SD card reader	SATA 6G/SD card reader	SATA 6G/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 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
Expansion Slot Mini-PCIe/M.2		(1) M.2 Type M(2280) (1) Half size Mini-PCIe	(1) Full size Mini-PCIe (1) Half size Mini-PCIe	(1) Full size Mini-PCIe (1) Half size Mini-PCIe	(1) M.2 Type M(2260) (1) Half size Mini-PCIe	(1) M.2 Type M(2260) (1) Half size Mini-PCIe	(1) Full size Mini-PCIe (1) Half size Mini-PCIe	(1) Full size Mini-PCIe (1) Half size Mini-PCIe	(1) Full size Mini-PCIe (1) Half size Mini-PCIe
Video Output									
DVI Port		-	-	-	-	-	-	-	-
VGA Port		-	-	1 (optional)	1 (optional)	1 (optional)	1 (optional)	-	-
HDMI Port		1	1	1	1	1	1	1	1
DisplayPort		2	2	1	2	2	2	1	1
I/O Port									
USB 2.0		4	4	6	4	4	6	4	4
USB 3.0		4	4	2	4	4	2	2	2
eSATA Port		1	1	-	-	-	-	-	-
COM Port		(1) RS232	(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	-/1/1
Ethernet/WiFi		Intel® 10/100/1000 Mbps Ethernet Mini-PCIe WiFi module (optional)	10/100/1000 Mbps Ethernet Mini-PCIe WiFi module (optional)	10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) Mini-PCIe WiFi module (optional)	Intel® 10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) Mini-PCIe WiFi module (optional)"	Intel® 10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) Mini-PCIe WiFi module (optional)	10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) Mini-PCIe WiFi module (optional)	Intel® 10/100/1000 Mbps Ethernet (RJ45 X2) Mini-PCIe 802.11b/g/n WiFi module	Intel® 10/100/1000 Mbps Ethernet (RJ45 X2) Mini-PCIe 802.11b/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	240 x 200 x 72	190 x 165 x 43	190 x 165 x 43	190 x 165 x 43	200 x 165 x 39.5	200 x 165 x 39.5
Weight									
NW (kg)		2.2	2.2	2.2	1.3	1.3	1.3	1.3	1.3
GW (kg)		3.5	3.5	3.5	2.05	2.05	2.05	2.05	2.05
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, 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
Operating Temperature (°C)		0~50	0~50	0~50	0~50	0~50	0~50	0~40	0~40
Chassis		Metal	Metal	Metal	Metal	Metal	Metal	Metal + Plastic	Metal + Plastic
Adapter		90W external adapter	90W external adapter	90W external adapter	90W external adapter	90W external adapter	90W external adapter	65W external adapter	65W external adapter
Operating System		Windows 7 / 8.1 / 10 ready, Linux	Windows 7 / 8 / 8.1 / 10 ready, Linux	Windows 7 / 8 / 8.1 / 10 ready, Linux	Windows 7 / 8.1 / 10 ready, Linux	Windows 7 / 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
Accessories(Optional)		PS01, PV02, PHD4, WLN-S (2T2R)	PS01, PV02, PHD4, WLN-S (2T2R)	PS01, PV02, PHD4, PVG01, PCM3(XH81 only), WLN-S(2T2R)	WLN-S(2T2R), PVG01	WLN-S (2T2R), PVG01	WLN-S (2T2R), PVG01	-	-

Slim series platform		High Performance & Multi-port platform		Mid-Range		Entry-Level	
Models	XS36V5	XS35V5 Series	XS36V4	XS35V4			
Cooling system	Fanless	Fanless	Fanless	Fanless			
CPU	Intel® Celeron N3050	Intel® Celeron N3050	Intel® Celeron J1900	Intel® Celeron J1900			
Chipset	Integrated in CPU	Integrated in CPU	Integrated in CPU	Integrated in CPU			
Video Engine Processor	Intel® HD Graphics engine integrated in CPU	Intel® HD Graphics engine integrated in CPU	Intel® HD Graphics engine integrated in CPU	Intel® HD Graphics engine integrated in CPU			
Video Capability(Full HD/4K)	Full HD	Full HD	Full HD	Full HD			
Memory	1 x DDR3L 1600 MHz, Max. 8GB	1 x DDR3L 1600 MHz, Max. 8GB	1 x DDR3L 1333 MHz, Max. 8GB	1 x DDR3L 1333 MHz, Max. 8GB			
Storage Interface	SATA 6G / SD card reader	SATA 6G / 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/M.2	(1) Half size Mini-PCIe	(1) Half size Mini-PCIe	(1) Half size Mini-PCIe			
Video Output	DVI Port	-	-	-			
	VGA Port	1	1	1			
	HDMI Port	1	1	1			
	DisplayPort	1	1	1			
I/O Port	USB 2.0	3	3	4			
	USB 3.0	2	2	1			
	eSATA Port	-	-	-			
	COM Port	(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			
Ethernet/WiFi	Intel® 10/100/1000 Mbps Ethernet Mini-PCIe 802.11 b/g/n WiFi module	Intel® 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			
	GW (kg)	2.3	2.8	2.3			
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	0~40	0~40			
Chassis	Plastic	Plastic only, Aluminum+Plastic	Plastic	Plastic			
Adapter	40W external adapter	40W external adapter	40W external adapter	40W external adapter			
Operating System	Windows 7 64bit / 8.1 64bit / 10 ready, Linux	Windows 7 64bit / 8.1 64bit / 10 ready, Linux	Windows 7 64bit / 8.1 64bit / 10 ready, Linux	Windows 7 64bit / 8.1 64bit / 10 ready, Linux			
Accessories(Optional)	PV03	PV01, PHD2	PV03	PV01, PHD2			



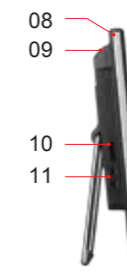
AIO: All-in-One Touchscreen PCs for Business Solutions

The 15.6" X50 series All-in-one PC is 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.

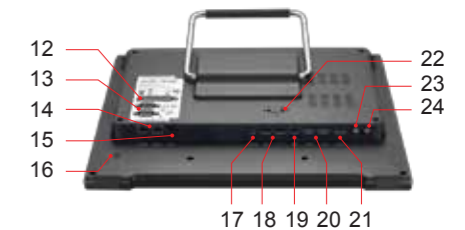
X50 series Front/ Back/ Side Port



- 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

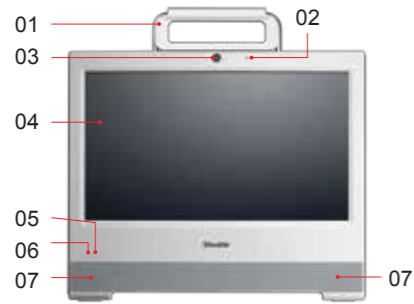


- 09. Stylus Pen
- 10. SD Card Reader
- 11. USB 2.0 Port
- 12. Printer Port (Optional)
- 13. COM Port (Optional)
- 14. RJ45 Type COM Port (Optional)
- 15. DIO Port (Optional)
- 16. Kensington Lock



- 17. DC-in
- 18. USB 2.0 Port
- 19. Lan Port
- 20. USB 3.0 Port
- 21. HDMI Port
- 22. VGA Port
- 23. Headphone
- 24. MIC-in

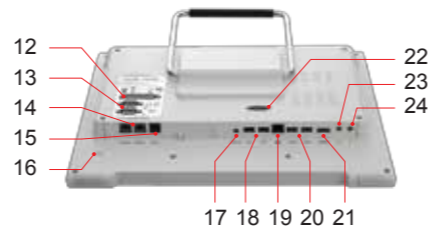
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- 01. Stand / Handle
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- 19. Lan Port
- 20. USB 3.0 Port
- 21. HDMI Port
- 22. VGA Port
- 23. Headphone
- 24. MIC-in



Interactive Touch Display

The 16:9 15.6" single touch screen without a mouse and keyboard provides users interactive convenient digital experience, making it particularly suitable for interactive kiosk and point-of-sale applications.



IP54 Design(X50V4/X50V5 only)

The X50V4 and X50V5 front panel are designed according to IP54 dust-proof and spill-resistant certification standards. Both 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 CPU-equipped fanless systems to drive Intel® Core™ (by project, X50V4/V5 only), Celeron®, and Atom™ technology.



Connect with peripheral devices

Shuttle's AIO series offers a diverse I/O interface in addition to an optional LPT/COM/-Cash drawer accessory for customers who need added connectivity with peripherals.



Advanced heat pipe cooling design

Made with Shuttle's exclusive heat pipe technology, the fanless X50 series is 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

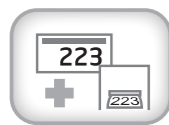
Made with high quality materials, the series is approved for 24/7 nonstop operation to meet the demands of industrial applications.



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 machine



POS



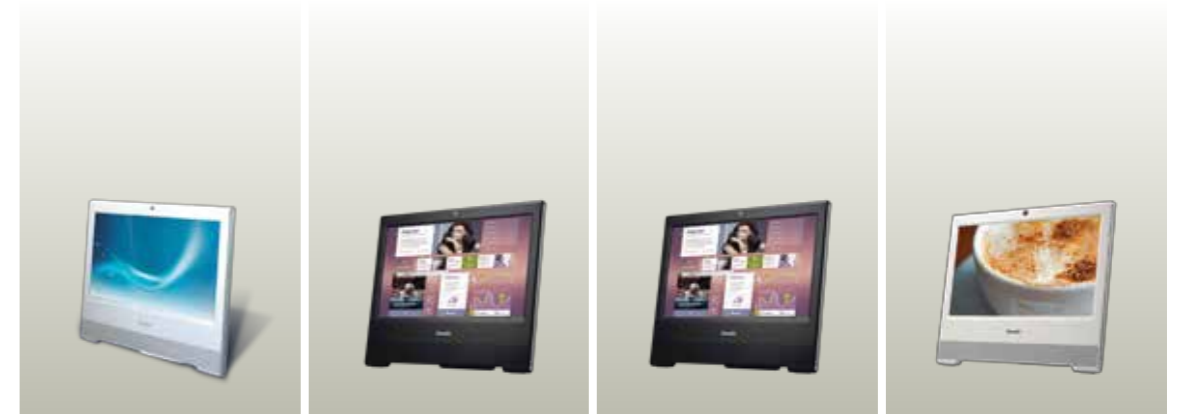
Public-web KIOSK



Information KIOSK



Intercom System

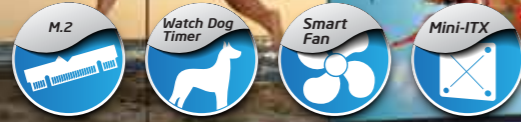


Models	X50V2 Plus	X50V3L	X50V4	X50V5
Panel	15.6" 16:9 Touch Panel, 1366 x 768 pixels	15.6" 16:9 Touch Panel, 1366 x 768 pixels	15.6" 16:9 Touch Panel, 1366 x 768 pixels	15.6" 16:9 Touch Panel, 1366 x 768 pixels
CPU	Intel® Atom D525	Intel® Atom D2550	Intel® Celeron 2957U	Intel® Skylake U Celeron 3855U
Chipset	Intel® NM10	Intel® NM10	Integrated in CPU	Integrated in CPU
Video Engine Processor	Intel® GMA 3150	Intel® GMA 3650	Intel® HD Graphics engine	Intel® HD Graphics engine
Memory	2 x DDR3 800 MHz, Max 4GB	2 x DDR3 1066 MHz, Max 4GB	1 x DDR3L 1333 MHz, Max 8GB	1 x DDR3L 1333/1600 MHz, Max 8GB
Storage	SATA 3G / SD card reader	SATA 3G / SD card reader	SATA 6G / SD card reader	SATA 6G / SD card reader
Expansion Slot	Mini-PCIe/M.2 (1) Half size Mini-PCIe	Mini-PCIe/M.2 (1) Half size Mini-PCIe	(1) Half size Mini-PCIe (1) Full size Mini-PCIe	(1) M.2 2280 type B+M (1) M.2 2230 type A+M
Video Output	VGA Port	1	1	1
	HDMI Port	-	1	1
I/O Port	COM Port	optional	optional	optional
	USB 2.0	4	4	4
	USB 3.0	-	-	2
Audio	Audio	HD 2 channel, 2 x 2W internal speaker	HD 2 channel, 2 x 2W internal speaker	HD 2 channel, 2 x 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
Webcam	Yes	Yes	Yes	Yes
Microphone	Yes	Yes	Yes	Yes
Dimensions(L/W/H) mm	391.3 x 327 x 42	391.3 x 327 x 42	391.3 x 327 x 42	391.3 x 327 x 42
Weight	NW (kg)	2.92	2.92	2.92
	GW (kg)	4.2	4.2	4.2
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, R&TTE, ETL, FCC, C-tick, RoHS
Operating Temperature (°C)	0~40	0~40	0~40	0~40
Adapter	40W	40W	65W	65W
Operating System	Windows XP / 7 / 10 ready, Linux	Windows 7 32bit	Windows 7 / 8 / 10 ready, Linux	Windows 7 / 8.1 / 10 ready, Linux
Color	Black/White	Black/White	Black/White	Black / White
Accessories(Optional)	PCL68	PCL69	PCL71/POS01	PCL71 / POS01



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 latest XPC SZ170R6 support overclocking function. 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 PCI-Ex16, PCI-E x1/x4, M.2 and Mini PCIe (full-size and half-size) slots as well as support multiple RAID modes Intel® RST technology (except for SH81R4). It features impressive performance to support diverse commercial applications, including multi-display digital signage, video wall, and mini server.



Support Intel® new generation Core™ processor

The SZ170R6 and SH170R6 support Intel® the latest Skylake-S LGA 1151 processor; the SH97R6 and SH81R4 support Haswell/Haswell Refresh LGA 1150 Core™ i3/i5/i7 as well as Pentium® and Celeron® Processors.



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.



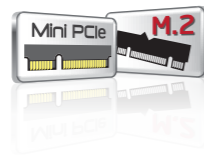
Strong Expandability

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



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.



M.2 & Mini PCIe Slots

The XPC series features strong expandability with M.2 and Mini PCIe slots support for M.2 SSD or mSATA SSD, WiFi module, and other compatible modules.



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 up to three independent screens

The XPC R6 series has one HDMI and two DisplayPorts built-in to support three independent screens; the SH81R4 provides one HDMI and one DVI-I interface to support dual-screen displays.

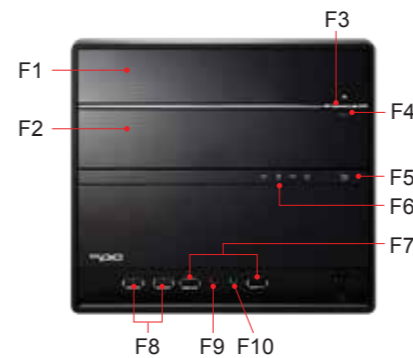


Support high-end graphic applications

The XPC series features one PCI-E x16 designed to power video walls and 3D graphics applications with support for dual slot graphic cards.



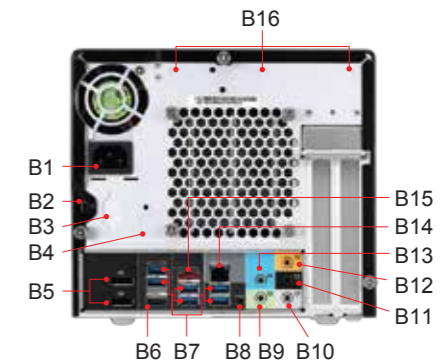
XPC Series Front Panel



- 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. USB 2.0 Port
- F8. USB 3.0 Port
- F9. Mic-in
- F10. Headphone

XPC Series Back Panel



- B1. AC Power Socket
- B2. Kensington Lock
- B3. Serial Port (Optional)
- B4. S/PDIF Out Port
- B5. DisplayPort
- B6. HDMI Port
- B7. USB 3.0 Port
- B8. Clear CMOS Button

- B9. Front Speaker Out (L/R) Port
- B10. Rear Speaker Out (L/R) Port
- B11. Side Speaker Out (L/R) Port
- B12. Center/Subwoofer Speaker Out Port
- B13. Line-in Port
- B14. LAN Port
- B15. eSATA Port
- B16. Wireless LAN Perforation (Optional)

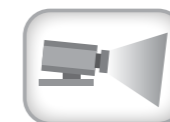
Application Fields



Video wall



Mini Server



Surveillance



Office



Digital Home



The new cost efficient storage mini-server — XPC SH97R8

To response the trend of storage market, Shuttle's XPC series launches the new SH97R8. It is only 1/3 size of a traditional tower PC but can install up to four 3.5" HDDs. Able to support Intel® Rapid Storage Technology (Intel® RST), proving a variety of RAID mode selection. Equipped with Intel® H97 chipset, the SH97R8 supports Intel® Haswell/Haswell Refresh or the new Broadwell 95W high-performance processors. The SH97R8 features with one PCI-E x16 and one PCI-E x4 slots and can install dual-slot high-end graphics card or surveillance cards. With Shuttle's I.C.E. 2™ heat pipe technology, the SH97R8 is high stability for long-term operation to meet the need of video wall, network video recorder, storage applications, and more.



Support Intel® high-performance Processor

Equipped with Intel® H97 chipset, the SH97R8 supports Intel® 5th generation (Broadwell) and 4th generation (Haswell and Haswell Refresh) Core™ i3/i5/i7, Pentium®, and Celeron® processors, able to support dual-channel DDR3-1600 32GB (8GBx4) memory.



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 three independent screens

The SH97R8 has one HDMI and two DisplayPorts built-in to support three independent screens.



Support multiple graphics card applications

The SH97R8 provides one PCI-E x16 and one PCI-E x4 slots to install dual-slot high-end graphics card or surveillance cards, able to drive video wall, network video recorder applications, and more.



Install up to four 3.5" HDDs

By tiny change mechanism design, the new SH97R8 maintains the same volume of 13-liter XPC cube but it can install up to four 3.5" HDDs, which have the same storage capacity with cheaper price than SSD or 2.5" HDD.



Support for multiple RAID modes

Equipped with Intel® H97 chipset, SH97R8 supports Intel® Rapid Storage Technology (Intel® RST), which provides a variety of RAID modes to choose, including RAID 0, 1, 5, 10 to avoid hard disk failure caused data loss (except for RAID 0).



Support wire and wireless high-speed networks

Support Wake-on-LAN function with built-in 10/100/1000 Mbps LAN interface. The SH97R8 also provides Mini PCIe interface for wireless network cards to enhance data transfer speed.



80 Plus silver certified Power supply

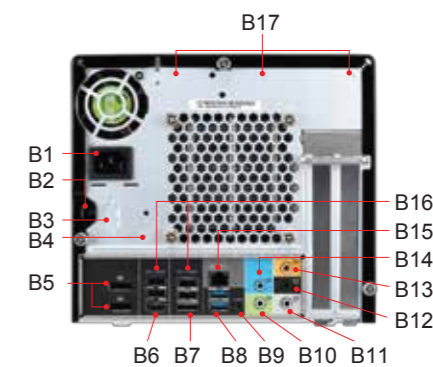
The XPC series is highly energy-efficient, configured energy-saving 80 Plus certified. The SH97R8 is equipped with 500W 80Plus Silver power supply, which reduces energy consumption and provides a stable and sufficient power.

XPC SH97R8 Front Panel



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

XPC SH97R8 Back Panel



- B1. AC Power Socket
- B2. Kensington Lock
- B3. Serial Port (Optional)
- B4. S/PDIF Out Port
- B5. DisplayPort
- B6. HDMI Port
- B7. eSATA Port
- B8. USB 3.0 Port
- B9. Clear CMOS Button
- B10. Front Speaker Out (L/R) Port
- B11. Center/Subwoofer Speaker Out Port
- B12. Real Speaker Out (L/R) Port
- B13. Side Speaker Out (L/R) Port
- B14. Line-in Port
- B15. LAN Port
- B16. USB 2.0 Port
- B17. Wireless LAN Perforation (Optional)

Application Fields





Models	SZ170R6	SH170R6	SH97R8	SH97R6	SH81R4	
CPU	Intel® Skylake-S Core i3/i5/i7, Pentium, Celeron LGA 1151 95W CPU	Intel® Skylake-S Core i3/i5/i7, Pentium, Celeron LGA 1151 95W CPU	Intel® Broadwell/ 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® Z170	Intel® H170	Intel® H97	Intel® H97	Intel® H81	
Video Engine Processor	Intel® HD Graphics integrated in CPU (Dynamic video memory)	Intel® HD Graphics integrated in CPU (Dynamic video memory)	Intel® HD Graphics integrated in CPU (Dynamic video memory)	Intel® HD Graphics integrated in CPU (Dynamic video memory)	Intel® HD Graphics integrated in CPU (Dynamic video memory)	
Memory	4 x DDR4 2133 MHz, Max. 64GB	4 x DDR4 2133 MHz, Max. 64GB	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 6G	SATA 3G/ SATA 6G	
Storage Bay	2 x 3.5" HDD 1 x 5.25" ODD bay	2 x 3.5" HDD 1 x 5.25" ODD bay	4 x 3.5" HDD bay	2 x 3.5" HDD 1 x 5.25" ODD bay	2 x 3.5" HDD 1 x 5.25" ODD bay	
Audio	HD 7.1 channel	HD 7.1 channel	HD 7.1 channel	HD 7.1 channel	HD 5.1 channel	
Ethernet	Intel® 10/100/1000 Mbps (RJ45 x 1)	Intel® 10/100/1000 Mbps (RJ45 x 1)	10/100/1000 Mbps (RJ45 x 1)	10/100/1000 Mbps (RJ45 X1)	10/100/1000 Mbps (RJ45 x 1)	
Expansion Slot	PCI Express Slots	(1) PCI-E x 16, (1) PCI-E x 4	(1) PCI-E x 16, (1) PCI-E x 4	(1) PCI-E x 16, (1) PCI-E x 4	(1) PCI-E x 16, (1) PCI-E x 4	(1) PCI-E x 16, (1) PCI-E x 1
	Mini-PCIe/M.2	(1) M.2 2280 type M (1) Half size Mini-PCIe	(1) M.2 2280 type M (1) Half size Mini-PCIe	(1) Full size Mini-PCIe (1) Half size Mini-PCIe	(1) Full size Mini-PCIe (1) Half size Mini-PCIe	(1) Full size Mini-PCIe (1) Half size Mini-PCIe
Video output	DVI-I Port	-	-	-	-	1
	HDMI Port	1	1	1	1	1
	DisplayPort	2	2	2	2	-
I/O Port	USB 2.0	2	2	6	6	8
	USB 3.0	8	8	2	4	2
	eSATA	1	1	1	1	-
	Front Headphone/Mic in	1/1	1/1	1/1	1/1	1/1
	S/PDIF Out	-	-	-	-	-
Power Supply	500W 80 Plus	300W 80 Plus	500W 80 Plus	300W 80 Plus	300W 80 Plus	
Dimensions(L/W/H) mm	332 x 216 x 198	332 x 216 x 198	332 x 216 x 198	332 x 216 x 198	325 x 215 x 190	
Weight	NW (kg)	3.5	3.5	3.5	3.5	3.5
	GW (kg)	5	5	5	5	5
Certification	CB,CE,BSMI,ETL,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)	0~40	0~40	0~40	0~40	0~35	
Chassis	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum	
Operating System	Windows 7 / 8.1 / 10 ready, Linux	Windows 7 / 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	
Accessories(Optional)	WLN-C, PHD3, J-RS232	WLN-C, PHD3, J-RS232	WLN-C, PHD3, J-RS232	WLN-C, PHD3, J-RS232	WLN-C, PHD3, J-RS232	

XPC Slim Series All-in-One XPC Cube Series

PV01



VESA mount accessory for all XS35 series models

PHD2



Accessory for XS35 series to support a second hard disk drive

PV03



VESA mount accessory for XS36 series

PVG01



VGA port accessory for XH81 series, DH170, DQ170, and DS81

PS01



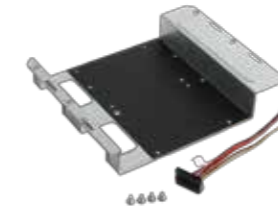
Vertical stand accessory for 3-liter Slim PCs

PV02



VESA mount accessory for 3-liter Slim PCs

PHD4



3.5" hard drive rack for 3-liter Slim PCs

PCM3



Triple RS232 daughter board for XH81 only

WLN-S



802.11b/g/n WLAN kit for XPC Slim series

PCL68



RS232/LPT daughter board for X50V2 series

PCL69



RS232/LPT daughter board for X50V3 series

PCL71



COM/LPT daughter board for X50V4 and X50V5

POS01



COM/LPT/Cash drawer daughter board for X50V4 and X50V5

WLN-C



802.11b/g/n WLAN kit for XPC cube series

PHD3



3.5" to 2.5" HDD rack for XPC cube series

J-RS232



RS232 daughter board for XPC cube series



0.5-liter super mini fashionable PC — XPC nano

Shuttle's brand new 0.5-liter product line named XPC nano supports Intel® Broadwell U platform technology. This series has elegant and stunning outlook to make it easy fit anywhere at home or office use. XPC nano is introducing NC01U series, which provides different CPU options: Intel® Celeron®, and Core™ i3/i5/i7 as well as supports DDR3L-1600 low-voltage memory. This series features diverse I/O ports for great connectivity. The NC01U series has one unique extension design to provide users a variety of choices by adding a docking station. Whether for seamless desktop performance to run an efficient office or to play 4K video (except for NC01U) for multimedia, XPC nano is your perfect choice.



Equipped with Intel® Broadwell U series processors

There are a variety of CPU options of XPC nano, including Celeron® 3205U and Core™ i3/i5/i7 processors. The series supports DDR3L 1600 low-voltage memory with maximum capacity up to 16GB (8GBx2).



Support 4K ultra HD

The NC01U3/U5/U7 are equipped with Intel® Core™ i3/i5/i7 processors and deliver four times the resolution of Full HD, support 4Kx2K (3840x2160) Ultra HD for crystal clear imaging.



Ultra-small and colorful appearance

With brand new 0.5-liter stylish design, it redefines the SFF (small form factor). With fashionable, elegant, and colorful appearance, makes XPC nano easy to fit anywhere at home or office. (Macaron colorful outlook for project only)



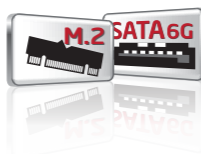
Support dual-screen display output

XPC nano provides HDMI and mini DisplayPort video outputs to support dual-screen displays. Use an adaptor to cover HDMI/mini DisplayPort to DVI or analog video interface (D-sub).



Wire and Wireless High-speed Networks

The XPC nano has built-in Intel® 10/100/1000 Mbps LAN interface and supports Wake On LAN function. Equipped with the newest 802.11 b/g/n/ac dual band WiFi and Bluetooth 4.0 combo, can enhance data transfer speed.



High-speed storage interface

This new 0.5-liter XPC nano supports the SATA 6Gbps storage interface for 2.5" HDD/SSD (7mm ultra slim) and built-in one M.2 slot for high-speed M.2 SSD, proving the best data transfer efficiency.



A variety of I/O for great connectivity

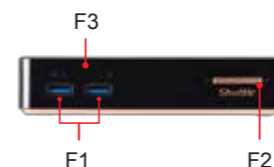
XPC nano has all the functions you need from SFF (small form factor). Equipped with multiple I/O ports of HDMI, mini DisplayPort, RS232, USB2.0 and USB3.0 as well as SD card reader, both USB3.0 ports also provides 2A current for fast charge.



VESA mount ready

Designed to fit seamlessly into your lifestyle, the XPC nano is capable of mounting to the rear of LCD monitor or a TV. This space saving capability makes it easy to blends into anywhere, including home, any offices, and commercial environments.

NC01U series Front Panel



NC01U series Back Panel



NC01U series Bottom



F1. USB 3.0 Port
F2. Power LED
F3. SD Card Reader

B1. Extension slot

R1. DC-in
R2. Mini DisplayPort
R3. HDMI Port
R4. LAN Port
R5. USB 2.0 Port
R6. Headphone + MIC

Application Fields





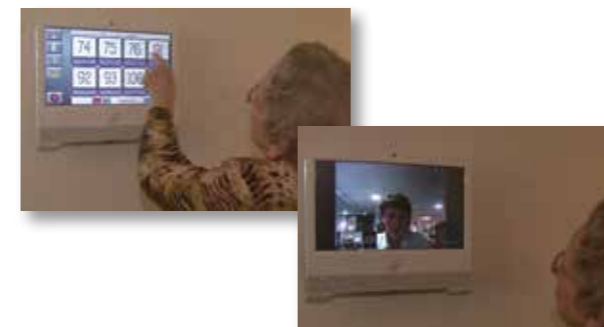
Models	NC01U	NC01U3	NC01U5	NC01U7
CPU	Smart fan	Smart fan	Smart fan	Smart fan
Chipset	Intel® Celeron 3205U	Intel® Core i3-5005U	Intel® Core i5-5200U	Intel® Core i7-5500U
Video Engine Processor	Intel® HD Graphics integrated in CPU	Intel® HD Graphics 5500 integrated in CPU	Intel® HD Graphics 5500 integrated in CPU	Intel® HD Graphics 5500 integrated in CPU
Video Capability(Full HD or 4K)	Full HD	4K	4K	4K
Memory	2 x DDR3L 1600 MHz, Max. 16GB	2 x DDR3L 1600 MHz, Max. 16GB	2 x DDR3L 1600 MHz, Max. 16GB	2 x DDR3L 1600 MHz, Max. 16GB
Storage Interface	SATA 6G	SATA 6G	SATA 6G	SATA 6G
Storage Bay	1 x 2.5" HDD or SSD (7mm ultra slim) 1 x M.2 SSD	1 x 2.5" HDD or SSD (7mm ultra slim) 1 x M.2 SSD	1 x 2.5" HDD or SSD (7mm ultra slim) 1 x M.2 SSD	1 x 2.5" HDD or SSD (7mm ultra slim) 1 x M.2 SSD
Expansion Slot	M.2 2230 AE and M.2 2242 BM key	M.2 2230 AE and M.2 2242 BM key	M.2 2230 AE and M.2 2242 BM key	M.2 2230 AE and M.2 2242 BM key
Video Output	HDMI x 1, mini DisplayPort x 1	HDMI x 1, mini DisplayPort x 1	HDMI x 1, mini DisplayPort x 1	HDMI x 1, mini DisplayPort x 1
I/O Port	2 x USB 3.0 ports (front) w/2A charging @power on/off 2 x USB 2.0 (back) SD card reader Combo jack 3.5mm for headphone + mic x 1 1 x RS232 DC in			
Ethernet	Intel® 10/100/1000 Mbps Ethernet	Intel® 10/100/1000 Mbps Ethernet	Intel® 10/100/1000 Mbps Ethernet	Intel® 10/100/1000 Mbps Ethernet
Wireless LAN	M.2 802.11 b/g/n/ac and Bluetooth combo	M.2 802.11 b/g/n/ac and Bluetooth combo	M.2 802.11 b/g/n/ac and Bluetooth combo	M.2 802.11 b/g/n/ac and Bluetooth combo
Kensington Lock Hole	Yes	Yes	Yes	Yes
Mounting Support	Yes	Yes	Yes	Yes
Dimensions(L/W/H) mm	141 x 141 x 29 (0.57L)	141 x 141 x 29 (0.57L)	141 x 141 x 29 (0.57L)	141 x 141 x 29 (0.57L)
Weight	NW (kg) 0.36 GW (kg) 1.26	NW (kg) 0.36 GW (kg) 1.26	NW (kg) 0.36 GW (kg) 1.26	NW (kg) 0.36 GW (kg) 1.26
Certification	CB, CE, BSMI, ETL, FCC, Ctick RoHS	CB, CE, BSMI, ETL, FCC, Ctick RoHS	CB, CE, BSMI, ETL, FCC, Ctick RoHS	CB, CE, BSMI, ETL, FCC, Ctick RoHS
Chassis	Plastic	Plastic	Plastic	Plastic
Adapter	65W	65W	65W	65W
Operating System	Windows 7 32/64 bits, 8.1 32/64 bits, 10 ready, Linux	Windows 7 32/64 bits, 8.1 32/64 bits, 10 ready, Linux	Windows 7 32/64 bits, 8.1 32/64 bits, 10 ready, Linux	Windows 7 32/64 bits, 8.1 32/64 bits, 10 ready, Linux

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.



Contact Us

No.30, Lane 76, Rui-Guang Rd, Nei-Hu Dist., Taipei, Taiwan
TEL: +886-2-8792-6168 FAX: +886-2-8792-6268
http://global.shuttle.com

E-mail Contacts

Sales: sales@tw.shuttle.com
Media Contact: shuttlepr@tw.shuttle.com