Shuttle®

Product Guide 2017

Superb for Home, Work, Business and Industrial applications

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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 working 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 customers' 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.
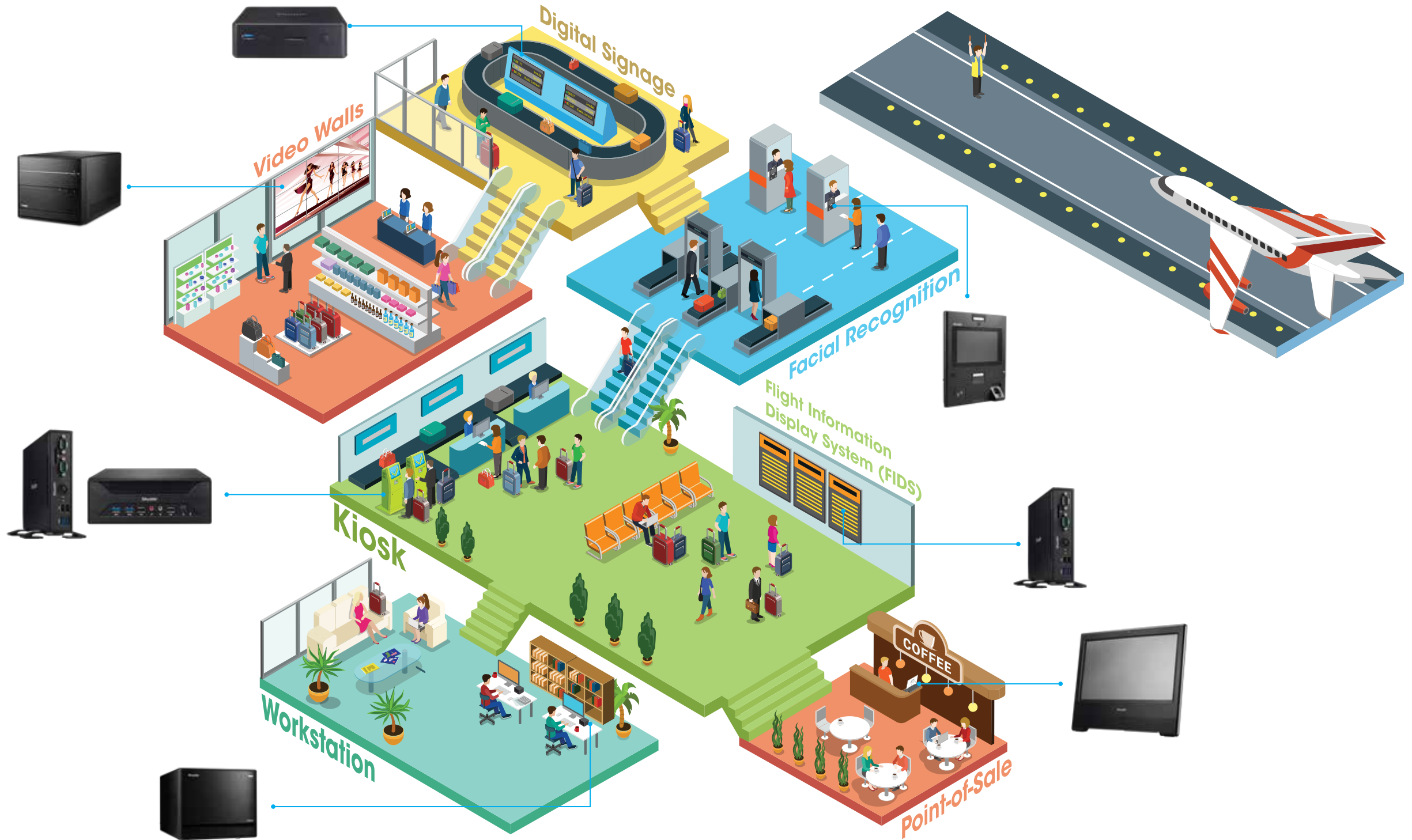
Since the creation of the world's first-ever mini-PC in 2001, Shuttle Inc. has been recognized as an industry leading designer and manufacturer of small form factor (SFF) computers and accessories for consumer and commercial sectors. Experienced in small form factors and thermal technology, Shuttle XPCs 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.

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TAIWAN EXCELLENCE 2009

product design award 2006

Shuttle®

Digital Signage

Video Walls

Facial Recognition

Flight Information
Display System (FIDS)

Kiosk

Workstation

Point-of-Sale

Target, engage, and inform with Shuttle solutions

Shuttle®

High Performance Slim PCs to power Kiosks, Vending machine, and Office XH170V, XH110 Series &XC60J

Shuttle's XH series and XC60J include four powerful 3-liter slim PCs that feature robust performance and are suitable for not only home media, but also for office or industrial applications. With Intel® Skylake / Kabylake and Apollolake (XC60J only) processors, this series can play 4K video content and offer multiple video outputs to drive up to three independent screens (XH170V only). With huge storage capacity, the series allows for up to three 2.5″HDD/SSD or one 3.5″ HDD* for a wide range of applications (except for XH110G). Thanks to its advanced heat pipe and smart fan design, the series is 24/7 certified and runs quietly and reliably cool in 0-50ºC temperatures, ideal for commercial environments such as office, digital signage, Kiosk, POS, and POI.

*Note: Installation of ODD is not compatible with 3.5″ HDD configuration.

3-liter

· Strong ability to connect peripherals
· Support up to eight COM ports (XC60J only)
· Support Single slot PCI-E X16(XH110G only)*
· 24/7 Certified in 0-50⁰C Environments
· Supports up to three independent screens
· Dual Intel® Gigabit LAN Network (XH110V/XH110 only)
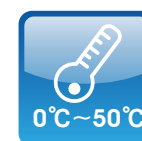
*Support to max size of 200x120x30 mm

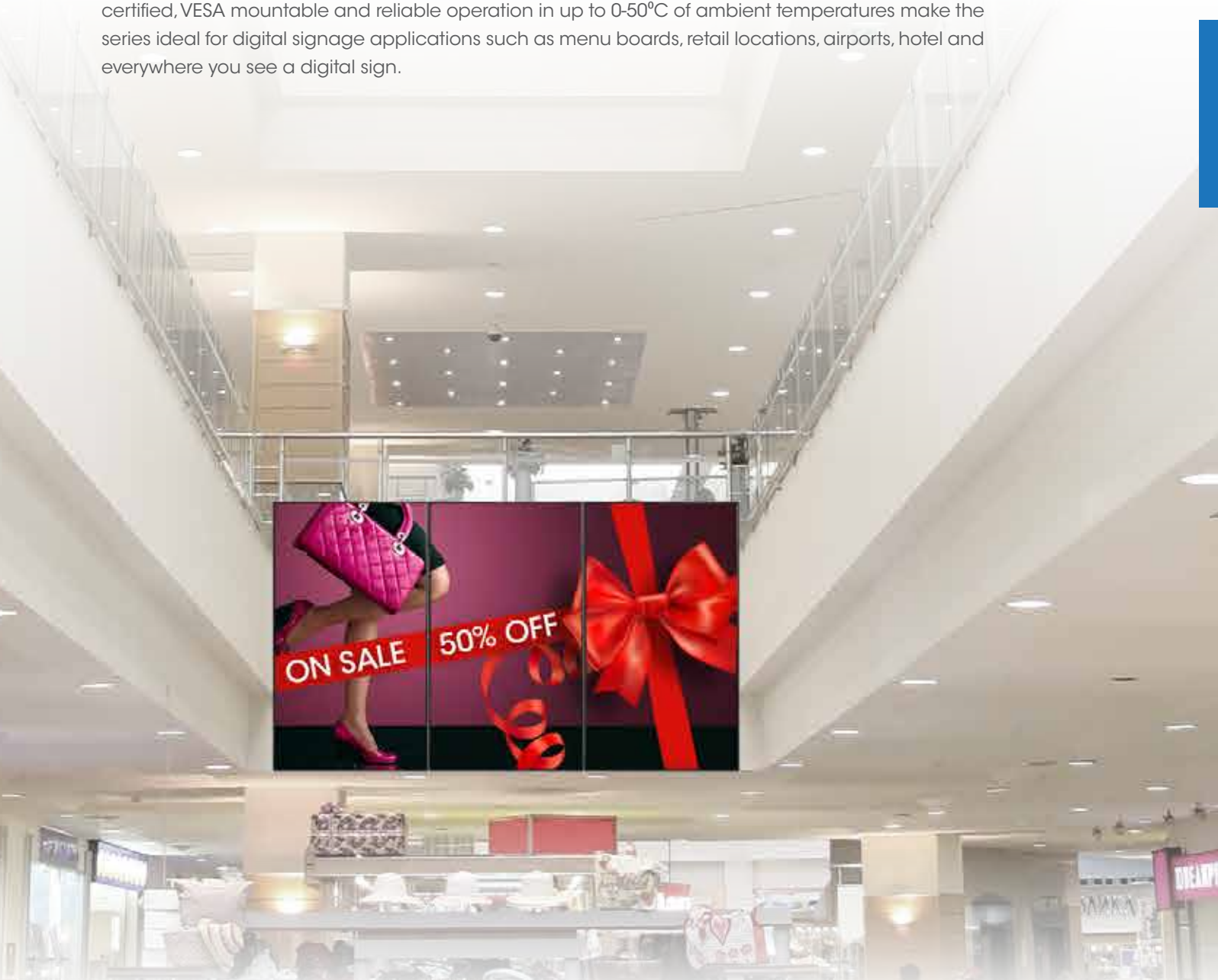| RS232	PS/2 Port	0℃~50℃	Triple Display	Dual Giga LAN
	XH110 series only		XH170V only	XH110 series only

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4K High-performance Digital Signage Player- DQ170, DH series, DS series, XS series & DX30

To meet the diverse digital signage market and ultra-high resolution display demands, Shuttle offers the right signage player for every scenario-including a range of entry level to high performance 1-liter Slim PCs. This series seamlessly plays 4K video content and supports multiple-screen displays. Robust, compact and stylish, this series is housed in a metal chassis design for rugged durability. 24/7 certified, VESA mountable and reliable operation in up to 0-50⁰C of ambient temperatures make the series ideal for digital signage applications such as menu boards, retail locations, airports, hotel and everywhere you see a digital sign.

SLIM

1-liter

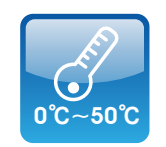· Supports Intel® vPro™ Technology (DQ170 only)
· Fanless design (DS67/68/77 series, XS series & DX 30 only)
· 24/7 certified in up to 0-50⁰C Environments
· Multiple I/O for great connectivity
· Supports 4K ultra HD (DQ170, DH series & DS series only)
· Supports TPM data encryption (Skylake/ Kabylake platform only)

| Fanless | RS232 x 2 | 3840×2160 4K | 0℃~50℃ |

Fanless models
support to 0-40⁰C

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Model	XH170V	XH110G	XH110V/XH110	XC60J	DH270	DQ170	DH170	DH110
Cooling system	Smart fan	Smart fan	Smart fan	Fanless	Smart fan	Smart fan	Smart fan	Smart fan
CPU	Intel® Kabylake/Skylake LGA1151 socket Core i3/i5/i7, Pentium, Celeron 65W processor	Intel® Kabylake/Skylake LGA1151 socket Core i3/i5/i7, Pentium, Celeron 65W processor	Intel® Kabylake/Skylake LGA1151 socket Core i3/i5/i7, Pentium, Celeron 65W processor	Intel® Celeron J3355	Intel® Kabylake/Skylake LGA1151 socket Core i3/i5/i7, Pentium, Celeron 65W processor	Intel® Kabylake/Skylake LGA1151 socket Core i3/i5/i7, Pentium, Celeron 65W processor	Intel® Kabylake/Skylake LGA1151 socket Core i3/i5/i7, Pentium, Celeron 65W processor	Intel® Kabylake/Skylake LGA1151 socket Core i3/i5/i7, Pentium, Celeron 65W processor
Chipset	Intel® H170	Intel® H110	Intel® H110	Integrated in CPU	Intel® H270	Intel® Q170 support vPro™	Intel® H170	Intel® H110
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 engine integrated in CPU	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)
Video Capability(Full HD or 4K)	4K	4K	4K	Full HD	4K	4K	4K	4K
Memory	2 X DDR3L 1600 MHz, Max. 32GB	2 X DDR4 2133/2400 MHz, , Max. 32GB	2 X DDR3L 1600 MHz, Max. 32GB	2 X DDR3L 1866 MHz, Max. 8GB	2 X DDR4 2133/2400 MHz, , Max. 32GB	2 X DDR3L 1600 MHz, Max. 32GB	2 X DDR3L 1600 MHz, Max. 32GB	2 X DDR3L 1600 MHz, Max. 32GB
Storage Interface	SATA6G	SATA6G	SATA6G	SATA6G	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 2.5" HDD or SSD 1 X 12.7mm Slim ODD	1x3.5"/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 PCI-E	(1) M.2 Type M(2280) (Support SATA interface only) (1) Half size Mini-PCIe	(1) M.2 Type M (2280) (1) M.2 Type A/E (2230) (1) PCI-E X16	(1) M.2 Type M (2280) (1) M.2 Type A/E (2230)	(1) M.2 Type M (2280) (1) M.2 Type A/E (2230)	(1) M.2 Type M (2280) (1) M.2 Type A/E (2230)	(1) M.2 Type M(2260) (1) Half size Mini-PCIe	(1) M.2 Type M(2260) (1) Half size Mini-PCIe	(1) M.2 Type M (2260) (1) M.2 Type A/E (2230)
Video output — VGA Port	-	1	1 (optional)	1	1 (optional)	1 (optional)	1 (optional)	1 (optional)
Video output — HDMI Port	1	1	1	1	1*HDMI 2.0 + 2*HDMI 1.4	1	1	1
Video output — DisplayPort	2	-	1	-	-	2	2	1
I/O Port — USB 2.0	4	6	4	4	4	4	4	2
I/O Port — USB 3.0	4	2	4	2	3(one supports USB 3.0-type C)	4	4	4
I/O Port — eSATA Port	1	-	-	-	-	-	-	1
I/O Port — COM Port	(1) RS232	-	(1) RS232 ,(1) RS232/422/485 Support 5V/12V	(7) 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
I/O Port — PS/2 Port	-	-	1	-	-	-	-	1
I/O Port — 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	Intel® 10/100/1000 Mbps Ethernet Mini-PCIe WiFi module (optional)	Intel®10/100/1000 Mbps Ethernet M.2 WiFi module (optional)	Intel®10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) M.2 WiFi module (optional)	Intel®10/100/1000 Mbps Ethernet M.2 WiFi module (optional)	Intel® 10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) M.2 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)	Intel® 10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) M.2 WiFi module (optional)
Kensington Lock Hole	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VESA Mounting Support	Yes (optional)	Yes	Yes (optional)	Yes (optional)	Yes	Yes	Yes	Yes
Dimension (L/W/H) mm	240 x 200 x 72	250 x 200 x 78	240 x 200 x 72	238 x 200 x 72	190 x 165 x 43	190 x 165 x 43	190 x 165 x 43	190 x 165 x 43
Weight — NW (kg)	2.2	TBD	2.2	2.2	1.3	1.3	1.3	1.3
Weight — GW (kg)	3.5	TBD	3.5	3.5	2.05	2.05	2.05	2.05
Certification	CB,CE,BSMI,ETL,FCC,RCM,VCCI,RoHS	CB,CE,BSMI,ETL,FCC,RCM,VCCI,RoHS	CB,CE,BSMI,ETL,FCC,RCM,RoHS	CB,CE,BSMI,ETL,FCC,RCM,VCCI,RoHS	CB,CE,BSMI,ETL,FCC,RCM,VCCI,RoHS	CB,CE,BSMI,ETL,FCC,RCM,RoHS	CB,CE,BSMI,ETL,FCC,RCM,RoHS	CB,CE,BSMI,ETL,CCC,FCC,RCM,RoHS
Operating Temperature (°C)	0~50	0~50	0~50	0~40	0~50	0~50	0~50	0~50
Chassis	Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal
Adapter	90W external adapter	180W external adapter	90W external adapter	65W external adapter	90W external adapter	90W external adapter	90W external adapter	90W external adapter
Operating System	Windows 7 64bit/ 8.1 64bit/ 10 64bit Linux	Windows 7 64bit/ 10 64bit Linux	Windows 7 64bit/ 8.1 64bit/ 10 64bit Linux	Windows 10 64bit, Linux	Windows 7 64bit/ 10 64bit Linux	Windows 7 64bit/ 8.1 64bit/ 10 64bit Linux	Windows 7 64bit / 8.1 64bit/ 10 64bit Linux	Windows 7 64bit/ 8.1 64bit/ 10 64bit Linux
Accessories(Optional)	PS01, PV02, PHD4, WLN-P	WLN-M,PS01	PS01, PV02, PHD4,PVG01, WLN-M	WLN-M, PS01,PV02	WLN-M, PVG01,PS02	WLN-P, PVG01	WLN-P, PVG01	WLN-M, PVG01

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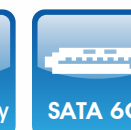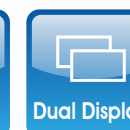| Model	DH110SE	DS77U series	DS68U	DS67U series	XS36V5	XS35V5/ XS35V5 Pro	DX30
Cooling system	Smart fan	Fanless	Fanless	Fanless	Fanless	Fanless	Fanless
CPU	Intel® Kabylake/Skylake LGA1151 socket Core i3/i5/i7, Pentium, Celeron 65W processor	Intel® Celeron 3865U or Intel® i3-7100U/i5-7200U/i7-7500U	Intel® Celeron 3855U	Intel® Celeron 3855U or Intel® i3-6100U/i5-6200U/i7-6500U	Intel® Celeron N3050	Intel® Celeron N3050	Intel® Celeron J3355
Chipset	Intel® H110	Integrated in CPU	Integrated in CPU	Integrated in CPU	Integrated in CPU	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 engine integrated in CPU	Intel® HD Graphics engine integrated in CPU	Intel® HD Graphics engine integrated in CPU
Video Capability(Full HD or 4K)	4K	4K	4K	4K	Full HD	Full HD	4K
Memory	2 X DDR4 2133/2400 MHz, Max. 32GB	2 X DDR4 2133 MHz, Max. 32GB	2 X DDR3L 1600 MHz, Max. 32GB	2 X DDR3L 1600 MHz, Max. 32GB	1 X DDR3L 1600 MHz, Max. 8GB	1 X DDR3L 1600 MHz, Max. 8GB	2 X DDR3L 1866 MHz, Max. 8GB
Storage Interface	SATA6G / SD card reader	SATA6G / SD card reader	SATA6G / 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 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	1 X 2.5" HDD or SSD
Expansion Slot — Mini-PCIe/M.2 PCI-E	(1) M.2 Type M (2260) (1) M.2 Type A/E (2230)	(1) M.2 Type M (2280) (1) M.2 Type A/E (2230)	(1) M.2 Type M (2280) (1) M.2 Type A/E (2230)	(1) M.2 Type M (2242) (1) M.2 Type A/E (2230)	(1) Half size Mini-PCIe	(1) Half size Mini-PCIe	(1) M.2 Type M (2280) (1) M.2 Type A/E (2230)
Video output — VGA Port	-	-	1	-	1	1	1 (optional)
Video output — HDMI Port	1	2	1	1	1	1	1
Video output — DisplayPort	1	1	-	1	1	1	1
I/O Port — USB 2.0	6	4	4	4	3	3	4
I/O Port — USB 3.0	2	2	2	2	2	2	2
I/O Port — eSATA Port	-	-	-	-	-	-	-
I/O Port — COM Port	-	(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
I/O Port — PS/2 Port	-	-	-	-	-	-	1
I/O Port — Line in/Line out/Mic in	-/1/1	-/1/1	-/1/1	-/1/1	-/1/1	-/1/1	-/1/1
Ethernet/WiFi	Realtek 10/100/1000 Mbps Ethernet (RJ45 X1) M.2 WiFi module (optional)	Intel® 10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) M.2 802.11 b/g/n WiFi module	Intel® 10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) M.2 802.11 b/g/n WiFi module	Intel® 10/100/1000 Mbps Ethernet (RJ45 X2, support teaming feature) M.2 802.11b/g/n/ac+BT WiFi module	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	Intel®10/100/1000 Mbps Ethernet M.2 802.11 b/g/n WiFi module
Kensington Lock Hole	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VESA Mounting Support	Yes (optional)	Yes	Yes	Yes	Yes (optional)	Yes (optional)	Yes
Dimension (L/W/H) mm	190 x 165 x 43	200 x 165 x 39.5	200 x 165 x 39.5	200 x 165 x 39.5	200 x 160 x 36	252 x 162 x 38.5	190 x 165 x 43
Weight — NW (kg)	1.3	1.3	1.4	1.3	1.6	2.1	1.5
Weight — GW (kg)	2.05	2.05	2.1	2.05	2.3	2.8	2.07
Certification	CB,CE,BSMI,ETL,FCC,RCM,VCCI,RoHS	CB,CE,BSMI,ETL,FCC,RCM,RoHS,VCCI,R&TTE	CB,CE,BSMI,ETL,FCC,RCM,RoHS,R& TTE,VCCI	CB,CE,BSMI,ETL,FCC,RCM,RoHS,R& TTE	CB,CE,BSMI,ETL,FCC,RCM,RoHS,R& TTE	CB,CE,BSMI,ETL,FCC,RCM,RoHS,R& TTE	CB,CE,BSMI,ETL,FCC,RCM,RoHS,R& TTE,VCCI
Operating Temperature (℃)	0~50	0~40	0~40	0~40	0~40	0~40	0~40
Chassis	Metal	Metal + Plastic	Metal + Plastic	Metal + Plastic	Plastic	Aluminum side cover or Plastic only (optional)	Metal
Adapter	90W external adapter	65W external adapter	65W external adapter	65W external adapter	40W external adapter	40W external adapter	40W external adapter
Operating System	Windows 7 64bit/ 10 64bit Linux	Windows 10 64bit, Linux	Windows 7 64bit/ 8.1 64bit/ 10 64bit Linux	Windows 7 64bit/ 8.1 64bit/ 10 64bit Linux	Windows 7 64bit / 8.1 64bit / 10 64bit Linux	Windows 7 64bit / 8.1 64bit / 10 64bit Linux	Windows 10 64bit, Linux
Accessories(Optional)	WLN-M, PS02	-	-	-	PV03	PV01, PHD2	PVG01

Shuttle®

NANO

A palm-sized, 0.5-liter fashionable PC-XPC nano

Shuttle's brand new 0.5-liter XPC nano series has an elegant and stunning design to make it easy fit anywhere at home or office use. There are two NC series and NS series models. The NC series provides different CPU options: Intel® Celeron® and Core™ i3/i5/i7. Both series feature diverse I/O ports for great connectivity. Especially, the NC series is first Shuttle's model support USB 3.0 Type-C (NC02U / NC03U series only). The NC01U series has a unique extension design to provide users a variety of choices by adding an accessory box. Whether for seamless desktop performance to run an efficient office or to play 4K video (except for NC01U and NS01A) for multimedia, XPC nano is your perfect choice.

- Supports 4K ultra HD (except for NC01U and NS01A)
- VESA mount ready
- Supports dual-screen displays (NC series only)
- High-speed storage interface (NC series only)
- Supports WiFi Direct (NS series only)
- Pre-install digital signage software (NS series only)

3840×2160 4K	VESA	Dual Display	SATA 6G	M.2	WiFi Direct

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Model	NC03U	NC03U3/U5/U7	NC02U	NC02U3/U5/U7	NC01U	NC01U3/U5/U7	NS02A	NS01A
CPU	Celeron 3865U	Core™ i3-7100U/ i5-7200U/i7-7500U	Celeron 3855U	Core™ i3-6100U/ i5-6200U/i7-6500U	Celeron® 3205U	Core™ i3-5005U/ i5-5200U/i7-5500U	Rockchip RK3368 Octa-core 1.5GHz	Z3735G
Chipset	Integrated in CPU		Integrated in CPU		Integrated in CPU		NA	Integrated in CPU
Video Engine Processor	Intel® HD Graphics 610	Intel® HD Graphics 620	Intel® HD Graphics 510	Intel® HD Graphics 520	Intel® HD Graphics	Intel® HD Graphics 5500	NA	Intel® HD Graphics
Video Capability (Full HD or 4K)	4K		4K		Full HD	4K	4K	Full HD
Memory	2 x DDR4 2133MHz, Max 32GB		2 x DDR3L 1600MHz, Max 32GB		2 x DDR3L 1600MHz, Max 16GB		2GB memory onboard	1GB memory onboard
Storage interface	SATA6G		SATA6G		SATA6G		16G eMMc onboard	16G eMMc onboard
Storage bay	1 x 2.5" HDD or SSD (15mm slim) and 1 x M.2 SSD		1 x 2.5" HDD or SSD (15mm slim) and 1 x M.2 SSD		1 x 2.5" HDD or SSD (7mm ultra slim) and 1 x M.2 SSD		1 x 2.5"" HDD or SSD (7mm ultra slim)	1 x 2.5" HDD or SSD (7mm ultra slim)
Expansion slot	M.2 2230 AE and M.2 2280 M key		M.2 2230 AE and M.2 2280 M key		M.2 2230 AE and M.2 2242 M key		NA	NA
Video output	HDMI *1 and DisplayPort*1		HDMI *1 and DisplayPort*1		HDMI *1 and mini DisplayPort*1		HDMI*1	HDMI*1
I/O Port	2 x USB3.0 ports (front), power button (One supports USB 3.0 type-c)		2 x USB3.0 ports (front), power button		2 x USB3.0 ports (front) w/2A charging power button		2 x USB 2.0(front)	2 x USB 2.0(front)
	2 x USB2.0 ports (back)		2 x USB2.0 ports (back)		2 x USB2.0 ports (back)		1 x USB 2.0(back)	1 x USB 2.0(back)
	SD card reader		SD card reader		SD card reader		SD card reader	SD card reader
	Combo jack 3.5mm for headphone + mic *1		Combo jack 3.5mm for headphone + mic *1		Combo jack 3.5mm for headphone + mic *1		3.5mm for line out	Combo jack 3.5mm for headphone + mic *1
	1 X RS232		1 X RS232		1 X RS232		NA	NA
	DC in		DC in		DC in		DC in	DC in
Ethernet	Intel® 10/100/1000 Mbps Ethernet		Intel® 10/100/1000 Mbps Ethernet		Intel® 10/100/1000 Mbps Ethernet		10/100/1000 Mbps (support PoE 802.3at)	10/100 Mbps Ethernet
Wireless LAN	M.2 802.11 b/g/n		M.2 802.11 b/g/n		M.2 802.11 b/g/n/ac and Bluetooth combo		802.11 b/g/n WiFi and Bluetooth 4.0	802.11 b/g/n WiFi and Bluetooth
Kensington Lock	Yes		Yes		Yes		Yes	Yes
Stand	-		-		Yes		Yes	Yes
VESA Mount	Yes		Yes		Yes		Yes	Yes
Dimension L x W x H (mm)	141x141x42		141x141x42		141x141x29 (0.57L)		141x141x29 (0.57L)	141x141x29 (0.57L)
Weight NW (kg)	0.4		0.4		0.36		0.27(NS02A)/0.3(NS02E)	0.36
Weight GW (kg)	1.2		1.2		1.26		0.65(NS02A)/0.52(NS02E)	1.26
Certification	CB, CE, BSMI, ETL, FCC, RCM, VCCI, RoHS		CB, CE, BSMI, ETL, FCC, RCM, VCCI RoHS,R&TTE		CB, CE, BSMI, ETL, FCC, RCM RoHS,R&TTE		CB, CE, BSMI, ETL, FCC, RCM, VCCI, R&TTE	CB, CE, BSMI, ETL FCC, RCM, RoHS
Chassis	Plastic		Plastic		Plastic		Plastic	Plastic
Adapter	65W external adapter		65W external adapter		65W external adapter		24W external adapter (NS02E optional)	40W external adapter
Operating system	Windows 10 64, Linux		Windows 7 64 bits, 8.1 64 bits 10 64 bits, Linux		Windows 7 32/64 bits, 8.1 32/64 bits 10 64 bits, Linux		Android 5.1	Android 4.4

Shuttle®

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

The 15.6" X50 series All-in-One is made to drive interactive KIOSK, POS, POI, and queuing systems. The HDMI and VGA outputs enable dual-monitoring and the built-in webcam can be used for multi-media or online conferencing. This series front panel features IP54 design which is dust-protected and protected from splashing of water. Together with a full I/O connectivity and VESA mount compatibility, Shuttle's stylishly thin AIO series is ready for a variety of professional applications. For continuous use over long-periods of time, the series is 24/7 certified and runs cool with fanless design, reducing power consumption and running virtually noiseless.

· Fanless Design
· IP54 Design
· Internal USB port-Theft protection
· 24/7 Certified
· Connect with peripheral devices

Touch screen | IP54 | Fanless | nonstop 24/7

Model		X50V6	X50V5	X50V4
Panel		15.6", Single touch	15.6", Single touch	15.6", Single touch
CPU		Intel® Kabylake U Celeron 3865U	Intel® Skylake U Celeron 3855U	Intel® Celeron 2957U
Chipset		Integrated in CPU	Integrated in CPU	Integrated in CPU
Video Engine Processor		Intel® HD Graphics 610	Intel® HD Graphics 510	Intel® HD Graphics engine
Memory		2X DDR4 2133 MHz, Max 32GB	1 X DDR3L 1600 MHz, Max 16GB	1 X DDR3L 1600 MHz, Max 8GB
Storage		SATA 6G / SD card reader	SATA 6G / SD card reader	SATA6G / SD card reader
Expansion Slot	Mini-PCIe / M.2	(1) M.2 2280 type M (1) M.2 2230 type A,E	(1) M.2 2280 type M (1) M.2 2230 type A,E	(1) Half size Mini-PCIe (1) Full size Mini-PCIe
Video output	VGA Port	1	1	1
	HDMI Port	1	1	1
I/O Port	COM Port	optional	optional	optional
	USB2.0	4	4	4
	USB 3.0	2	2	2
	Audio	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	Intel® 10/100/1000 Mbps Ethernet 802.11 /b/g/n/ac+BT WLAN	10/100/1000 Mbps Ethernet 802.11 b/g/n WLAN
Webcam		Yes	Yes	Yes
Microphone		Yes	Yes	Yes
Dimension(L/W/H) mm		391.3x327x42	391.3x327x42	391.3x327x42
Weight	NW (kg)	2.92	2.92	2.92
	GW (kg)	4.2	4.2	4.2
Certification		CB,CE,BSMI,R&TTE,ETL,FCC, RCM,RoHS,VCCI	CB,CE,BSMI,R&TTE,ETL,FCC, RCM,RoHS	CB,CE,BSMI,ETL,CCC,FCC, RCM,RoHS,R&TTE
Operating Temperature (℃)		0~40	0~40	0~40
Adapter		65W external adapter	65W external adapter	65W external adapter
Operating System		Windows 10 64bit, Linux	Windows 7 64bit / 8.1 64bit / 10 64bit Linux	Windows 7 64bit / 8.1 64bit / 10 64bit Linux
Color		Black/White	Black/White	Black/White
Accessories(Optional)		PCL71 / POS01	PCL71 / POS01	PCL71 / POS01

AIO

15.6"

Shuttle®

High-performance mini-servers expanded storage & high-end graphics card- XPC cube series

Shuttle's industry renowned XPC cube series is only 1/3 size of a traditional tower PC but delivers the same performance with high durability and strong expandability. The latest R8 series can accept up to four 3.5″ HDD and is able to support Intel® Rapid Storage Technology (Intel® RST), providing a variety of RAID mode selection. The XPC cube series is equipped with Shuttle's I.C.E.2™ heat pipe cooling technology and smart fan design to efficiently remove heat. The 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, or Mini PCIe (half-size) slots and support for Intel® RST technology (except for SH110R4). It features impressive performance to support diverse commercial applications, including multi-display digital signage, video wall, and mini server.

CUBE

- · Integrated Cooling Engine 2 (I.C.E. 2) Heat pipe Technology
- · Supports multiple PCIe card applications
- · Supports multiple RAID modes (except for SH110R4)
- · Install up to four 3.5″ HDDs (R8 series only)
- · Supports large graphics cards (R8 series only)
- · 80 Plus Silver Certified Power Supply (R8 series only)

Model		SZ270R8	SZ170R8 V2	SZ170R8	SH170R6	SH110R4
CPU		Intel® Kabylake/Skylake LGA1151 socket Core i3/i5/i7, Pentium, Celeron 95W processor	Intel® Kabylake/Skylake LGA1151 socket Core i3/i5/i7, Pentium, Celeron 95W processor	Intel® Kabylake/Skylake LGA1151 socket Core i3/i5/i7, Pentium, Celeron 95W processor	Intel® Kabylake/Skylake LGA1151 socket Core i3/i5/i7, Pentium, Celeron 95W processor	Intel® Kabylake/Skylake LGA1151 socket Core i3/i5/i7, Pentium, Celeron 95W processor
Chipset		Intel® Z270	Intel® Z170	Intel® Z170	Intel® H170	Intel® H110
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 2133/2400 MHz, , Max. 64GB	4 X DDR4 2133 MHz, , Max. 64GB	4 X DDR4 2133 MHz, , Max. 64GB	4 X DDR4 2133 MHz, , Max. 64GB	2 X DDR4 2133 MHz, Max. 32GB
Storage		SATA 6G	SATA 6G	SATA 6G	SATA 6G	SATA6G
Storage Bay		4 x 3.5" HDD	4 x 3.5 "HDD	4 x 3.5 "HDD	2x3.5 "HDD / 1x5.25" ODD bay	2x3.5 "HDD / 1x5.25" ODD bay
Audio		HD 5.1 channel	HD 7.1 channel	HD 7.1 channel	HD 7.1 channel	HD 5.1 channel
Ethernet		Intel® 10/100/1000 Mbps (RJ45 X2)	Intel® 10/100/1000 Mbps (RJ45 X2)	Intel® 10/100/1000 Mbps (RJ45 X1)	Intel® 10/100/1000 Mbps (RJ45 X1)	Intel® 10/100/1000 Mbps (RJ45 X1)
Expansion Slot	PCI Express Slots	(1) PCI-E X16	(1) PCI-E X16, (1) PCI-E X4	(1) PCI-E X16, (1) PCI-E X4	(1) PCI-E X16, (1) PCI-E X4	(1) PCI-E X16, (1) PCI-E X1
	Mini-PCIe/ M.2	(2) M.2 2280 Type M (1)M.2 2230 Type A/E	(1) M.2 2280 Type M (1) M.2 2230 Type A/E	(1) M.2 2280 Type M (1) Half size Mini PCIe	(1) M.2 2280 Type M (1) Half size Mini PCIe	(1) M.2 Type M (2280) (1) M.2 Type A/E (2230)
Video output	VGA Port	-	-	-	-	1
	HDMI Port	1	1	1	1	1
	DisplayPort	1	2	2	2	1
I/O Port	USB 2.0	4	-	-	2	4
	USB3.0	6	8	8	8	4
	eSATA	-	-	1	1	-
	PS/2	-	-	-	-	1
	Headphone/Mic in	1/1	1/1	1/1	1/1	1/1
Power Supply		500W 80 Plus Silver	500W 80 Plus Silver	500W 80 Plus Silver	300W 80 Plus Bronze	300W 80 Plus Bronze
Dimension (L/W/H) mm		332x216x198	332x216x198	332x216x198	332x216x198	325x215x198
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,RCM,RoHS,VCCI	CB,CE,BSMI,ETL,FCC,RCM,VCCI, RoHS	CB,CE,BSMI,ETL,FCC,RCM,RoHS	CB,CE,BSMI,ETL,FCC,RCM,RoHS	CB,CE,BSMI,ETL,FCC,RCM,RoHS
Operating Temperature (°C)		0~40	0~40	0~40	0~40	0~40
Chassis		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Operating System		Windows 7 64bit (Skylake) / 10 64bit, Linux	Windows 7 64bit / 8.1 64bit / 10 64bit, Linux	Windows 7 64bit / 8.1 64bit / 10 64bit, Linux	Windows 7 64bit / 8.1 64bit / 10 64bit, Linux	Windows 7 64bit / 8.1 64bit / 10 64bit, Linux
Accessories(Optional)		WLN-M, PHD3	WLN-M, PHD3, J-RS232	WLN-P, PHD3, J-RS232	WLN-P, PHD3, J-RS232	WLN-M, PHD3,J-RS232

ICE2 TECHNOLOGY 2 Integrated Cooling Engine

RAID

120x280x40 mm

80 PLUS SILVER

Shuttle®

Accessory

XPC Accessory

PHD3
XPC-cube series
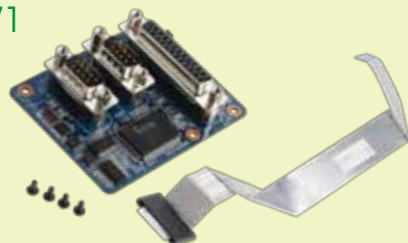3.5″ to 2.5″ HDD rack for XPC cube series

J-RS232
XPC-cube series
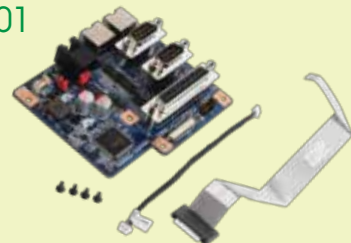RS232 daughter board for XPC cube series

AIO Accessory

PCL71
X50V4 / X50V5 / X50V6
COM/LPT daughter board for X50V4 and X50V5

POS01
X50V4 / X50V5 / X50V6
COM/LPT/Cash drawer daughter board for X50V4 and X50V5

WLAN Kit

WLN-P
XPC-cube and slim series (Mini PCIe type)
802.11ac/b/g/n WLAN + BT kit

WLN-M
XPC-cube and slim series (M.2 2230 type)
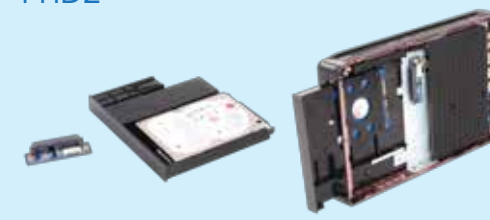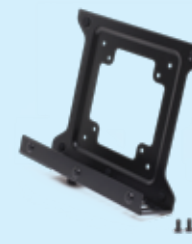802.11ac/b/g/n WLAN + BT kit

Slim Accessory

PV01
XS35 series
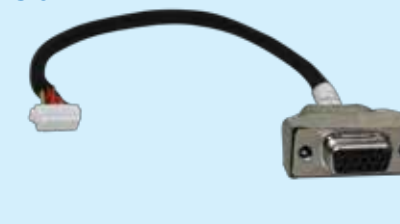VESA mount accessory for all XS35 series models

PHD2
XS35 series
Accessory for XS35 series to support a second hard disk drive

PV03
XS36 series
VESA mount accessory for XS36 series

PVG01
DH170/DQ170/DH110/XH110V/DX30
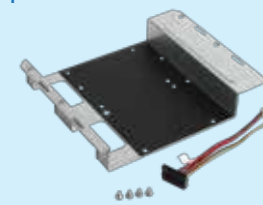VGA port accessory for, DX30, DH110, DH170, and DQ170

PS01
XH170V/XH110 series
Vertical stand accessory for 3-liter Slim PCs

PV02
XH170V/XH110 series
VESA mount accessory for 3-liter Slim PCs

PHD4
XH170V/XH110 series
3.5″ hard drive rack for 3-liter Slim PCs

Shuttle®

BR06

A Turnkey Solution for Face Recognition-BR06

Face recognition is more popular today than ever before. Shuttle has dedicated to developing face recognition solution for many years. Shuttle has introduced new biometric solution-BR06, providing more fast recognition speed, larger user database, and low power consumption. The intelligent facial feature identification capability provided by it consists of a non-invasive and non-contact biometric technology. The all-in-one BR06 system is a 7" single touch screen with fanless design. This system provides the facial, RFID, and fingerprint (optional) multi-recognition to offer double or even triple authentication, designed for gym, small and medium business, banks, education institutions, and communities for access control, security and VIP membership management applications.

· Fanless design
· Rapid and precise recognition capacity: FAR≦0.01%, FRR≦1%
· Easy communication via RS232, RS485, Wiegand, Relay out and digital in
· Built-in IR camera and IR LEDs
· Multi-Recognition: (1) Face recognition
                              (2) Face recognition+ fingerprint
                              (3) RFID+ Face recognition
                              (4) RFID+ Face recognition+ fingerprint

BR06 Spec

Model		BR06
CPU		iT9866 SoC
Memory		Embedded DRAM 64MB
Storage		SPI NOR FLASH 64 MB
Panel		7",16:9,LED,1024x600,Signal Touch
Audio		1x 2W Internal mono Speaker, 1x Internal Electret Condenser Microphone
Webcam		1x HD camera (Preview)
		1x HD IR camera (Detection)
		with 2x IR LEDs
Network		10/100 Mbps Ethernet(1x RJ45)
I/O	USB2.0	1x USB2.0
	1x 18pin GPIO Phoenix contact	1x RS-232(3pin)
		1x RS-485(2pin)
		1x Wiegand in(2pin)
		1x Wiegand out(2pin)
		2x Relay out (6pin)
	1x 2pin DC Phoenix contact	2x Digital In(3pin)
		12V power (2pin)
Adapter		12V
WALL Mount		Yes
VESA Mount		Yes
Dimension	L x W x H (mm)	230 x 210 x 43
Weight	NW (kg)	0.7KG
	GW (kg)	1KG
Certification		CE, FCC, BSMI, ETL
Chassis		Plastic
Operating system		RTOS
Face recognition	Recognition speed	2-3 second
	Recognize rate	FAR 0.0001%, FRR 1%
	Face Angle	Two axis ± 15degree
	Standards	ISO/IEC19794-5:2005
RFID reader support		Support NFC contactless card (Mifare)
Fingerprint recognition		Fingerprint verification and identification
Multi-Recognition		Face / Face+Fingerprint / RFID+Face / RFID+Face+Fingerprint
Access control		Dry contact output. Normal open
Accessories(Optional)		PV06 (WALL Mount kit)

Shuttle®

Solutions

Find the business solutions you're looking for with Shuttle

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

DIGITAL SIGNAGE & MEDIA PLAYERS

Digital signage is becoming an increasingly valuable advertising tool in almost every industry. As a leader in small form factor computers, touch panel all-in-ones, and small footprint computers, we offer the perfect solution for any digital signage application. Look for us in menu boards, at retail locations, airports, universities, hospitals, K12, and everywhere you see a digital sign.

KIOSK & WAYFINDING

Our computers are small, so small that you often won't even see them! We provide the behind-the-scenes computers that drive a host of kiosk and touch-screen wayfinding applications. The next time you approach a sign in a hospital, airport, university, or corporate office, Shuttle is there.

RETAIL & POINT OF SALE

Connecting a Shuttle mini-computer to a retail or POS station is quick and easy—even with an older system. Our connectivity options, including RS232 legacy ports, mean any POS station will be up and running in no time. Enjoy real-time register reporting so managers will know what's happening every minute of every day.

OFFICE & WORKSTATIONS

Created with the latest energy-saving technology and intelligent cooling systems, Shuttle pre-configured computers are about one third smaller than other desktop PCs. They fit just about anywhere, so you gain the power to do more, with the flexibility to better arrange your work space as well.

VIDEO WALL

Captivate your target audience with large scale video walls with Shuttle's high-performance XPC cube series, built to drive multi-display digital signage applications.
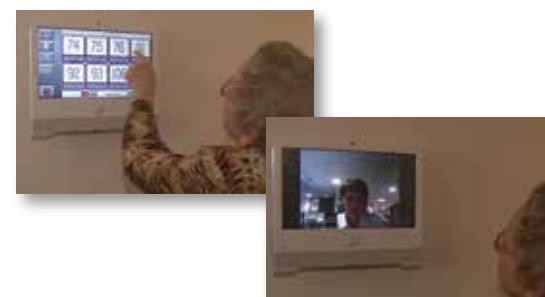
VERTICAL MARKET APPLICATIONS

Shuttle computers are in hospitals, factories, schools, restaurants, call centers, supermarkets, department stores, airports, universities, auditoriums, cafeterias, and everywhere else you might find a computer. We work with you to create your behind-the-scenes products, while you get the glory.

Case Studies

Medical and Assisted Living
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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