

# Shuttle Unique Features

## Power of Performance and Stability

Shuttle XPC has the versatility for future upgrades by providing essential components, like 500W 80Plus power supply unit, ICE 2 cooler, SATA 6.0 Gbps and USB 3.0 data transferring technology for advance users or gamers, to bring out the performance and stability one dreamed of.



## Energy Saving

**80 PLUS PSU:** Shuttle XPC newly developed 300W and 500W PSU has received 80 Plus Certification, proven to be one of the most energy efficient PSUs on the market. 80 PLUS is an initiative to promote energy efficiency in computer power supply units (PSU). It certifies products that have more than 80% energy efficiency at 20%, 50% and 100% of rated load, and a power factor of 0.9 or greater at 100% load. That is, PSUs that waste 20% or less electric energy as heat at the specified load levels.



## Smart USB Port

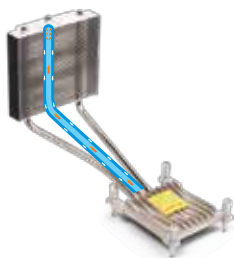
The Shuttle Smart USB Port is a USB port which allows fast power charging when a smart phone or tablet PC plugin is detected. It is designed to feed power up to 5V/2A (varies with different smart devices) no matter when the system power is on or off.



\* Smart USB port compatible for Shuttle R5 series models

## Always Well Cooled

**I.C.E. 2:** Like its predecessor Integrated Cooling Engine 2 (ICE 2) uses convection cooling to dissipate heat away from and around the CPU. With all the same basic concepts and designs, the new improved version ICE 2 includes, copper tubes coated in nickel enhances tube hardness and rust-proof protection are filled with distilled water, effectively channels heat away, providing high efficiency processor and chassis cooling. Allows XPC to remain under a stable, cool, concise and silent condition.



**I.C.E. Bridge:** Within the best performing platform is the top performance cooler, the newly designed Shuttle I.C.E. Bridge Cooling Technology delivers just that. Specially designed 3-part heat-sinks interconnected by convection cooling pipes covering the North Bridge, South Bridge and MOSFET modules effectively dissipate heat without the use for fans. Featuring all-new heat pipe designs, Shuttle I.C.E. Bridge allows users to enjoy longer component lifetime through lower temperatures and added system stability all in a silent operational environment.



## Advanced Quiet Design

**Fan-less:** The Shuttle fan-less design, implementing the ideal cooling concept and forms a special designed thermal module, ensures a passively cooled, quiet, dust-free and low energy consumption operating environment.



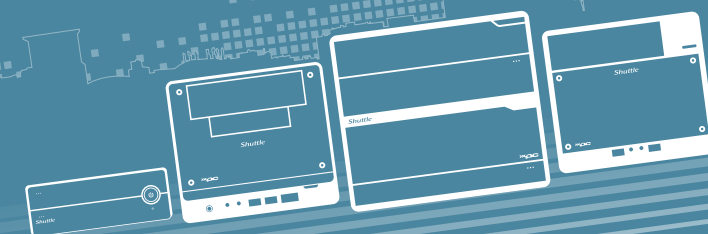
## Industrial Ports Support

To offer you wide usages from Retail POS, POI, Digital Signage, Surveillance, educational and even more varieties, Shuttle expand the COM ports support as RS232, RS422, RS485 and other featured interface in high definition multimedia and internet connection.



# Shuttle®

www.shuttle.com



Product Guide 2012

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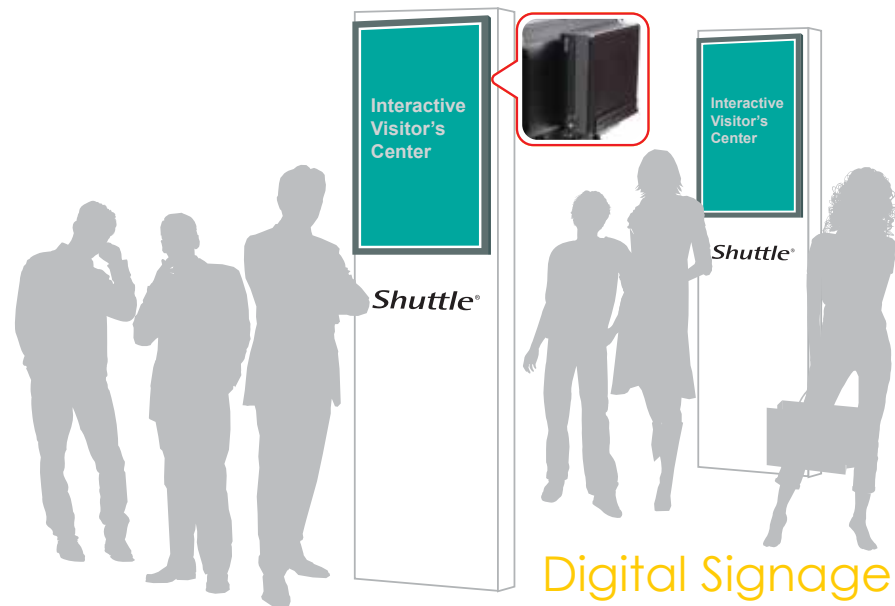


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# Business Special Solutions

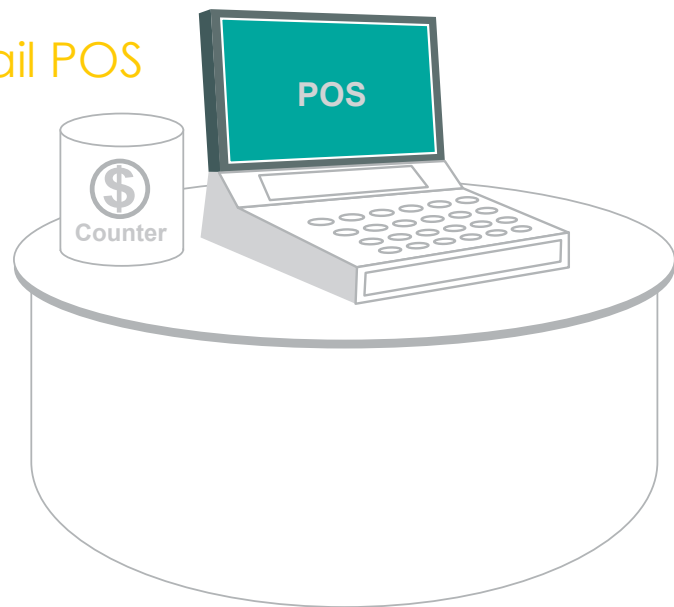
Featuring of compact size, best-in-class cooling technology, advanced energy-saving design and mainstream COM Ports supports, Shuttle's All-in-One and Slim series PCs could offer you wide usages from retail POS, digital Signage, surveillance system, educational system and even more varieties. The full-blown capabilities are designed for virtually endless design and décor possibilities for all kinds of applications. Find what you're looking to increase your Competitiveness in business; Shuttle will find them for you and creates you!

**Usage Solution:** Public Construction, Retail/POS, Digital Signage, Video Editing, Educational Usage

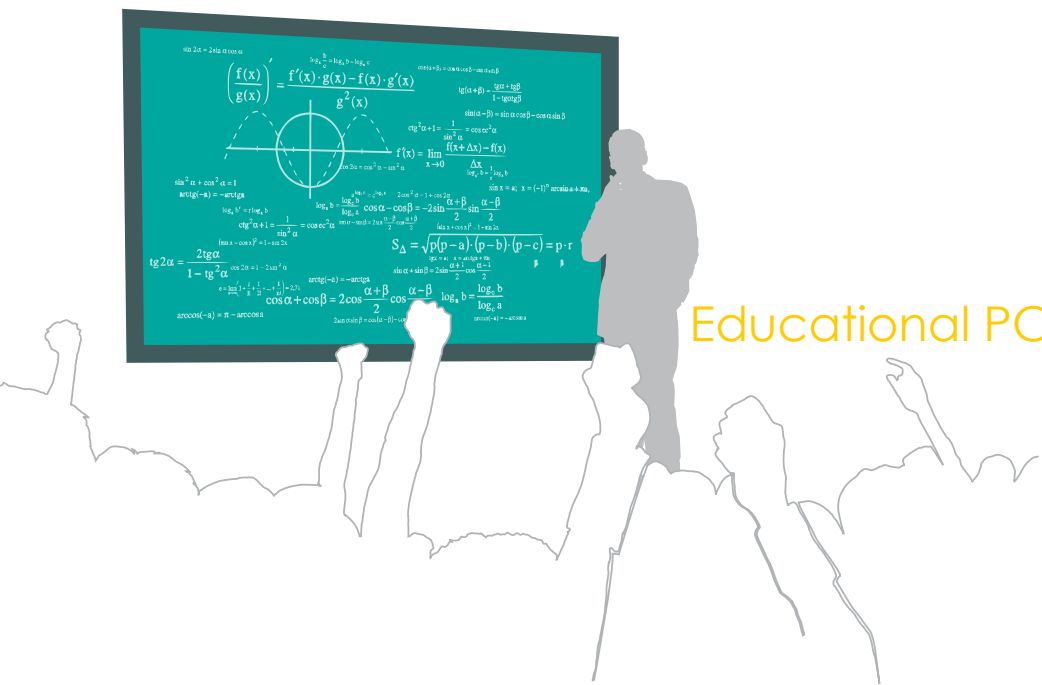


Digital Signage

Retail POS



Educational PC



Lounge



# Life Style Home and Office

Shuttle is proud to present you a new way of living and revolutionized the way you think, and the way you work. It is small, user-friendly, and the most reliable system you can ever dream of.

The XPC series optimize the spectacular visual performance by the next-generation processors and graphics technology lead to a new level of realistic experience that is perfect for digital home entertainment, personal workstation to extreme gaming system.

Shuttle's All-In-One desktop makes life easier for you to enjoy music, movies, videos, and web browsing. It's slim, elegant, and features touch-enabled display simply using your finger or stylus pen.

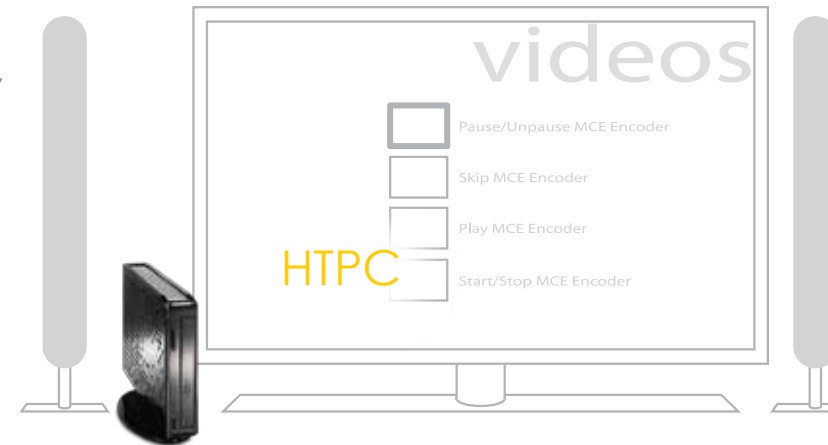
The Shuttle Slim PC is designed especially for everyday home entertainment and can be mounted easily behind LCD TV or monitor as a Home Theater PC (HTPC) in an acceptable price range.

**Usage Solution:** Office, Home, Vehicle PC, Gaming System, Animation & Graphics

Kitchen



HTPC





## Shuttle Slim

		XH61V
Dimension (mm)	L/W/H(mm)	240(L) X 200(W) X 72(H)
Weight (kg)	NW(KG)	2.2
	GW(KG)	3.5
Chassis Material		Metal
Motherboard		FH61V
Supported Socket Type (FSB)		Socket 1155
Supported Processor		Intel® 3 Generation LGA1155 Socket Max TDP 65W CPU Sandy Bridge™, Ivy Bridge™ CPU support
Chipset	North Bridge	x
	South Bridge	H61
Storage Interface		SATA 3G
Expansion Slots		1*PCI-E x4, 1*mini PCI-E (mSATA), 1*mini PCI-E(short)
Memory	(DC=Dual-Channel)	2*DC DDR3 1333 MHz support
Graphics	Integrated	Integrated in CPU
Audio		HD 5.1 channel
Drive Bays		1*12.7 mm Slim ODD/1*2.5" HDD
Front Panel	eSATA / USB2.0 / USB 3.0	- / 2 / -
	Headphone / Mic	1 / 1
Back I/O	USB2.0 / USB 3.0	2 / 2
	PS/2 keyboard / mouse	- / -
	Gigabit LAN	2
	SPDIF out	1
	Line out / Line in / MIC in	1 / 1 / 1
	Video Output	DVI-I / HDMI
	RS232 / RS232,RS422,RS485	1 / 1
Power Supply (PFC)		90W Adapter



## Shuttle Ultra slim

		XS35V2	XS35GTA V2	XS35V3	XS35GS V3	XS36V	DS25	DS61
Dimension (mm)	L/W/H(mm)	252 (L)x 38.5 (W) x 162 (H)	252 (L)x 38.5 (W) x 162 (H)	252 (L)x 38.5 (W) x 162 (H)	252 (L)x 38.5 (W) x 162 (H)	200 (L) x 36 (W) x 160 (H)	190(L) x 165(W) x 38(H)	190(L) x 165(W) x 43(H)
Weight (kg)	NW(KG)	2.1	2.1	2.1	2.1	1.6	TBD	TBD
	GW(KG)	2.8	2.8	2.8	2.8	2.3	TBD	TBD
Chassis Material		Plastic	Plastic	Plastic	Plastic	Plastic	Metal	Metal
Motherboard		Uspa	Uspa	Uspa	Uspa	Uspa	FS25	FS61
Supported Socket Type		BGA	BGA	BGA	BGA	BGA	BGA	LGA1155
Supported Processor		Intel® Atom™ D525	Intel® Atom™ D525	Intel® Atom™ D2700	Intel® Atom™ D2700	Intel® Atom™ D2700	Intel® Atom™ D525	Intel® Sandy Bridge
Chipset	North Bridge	NM10	NM10	NM10	NM10	NM10	NM10	H61
	South Bridge							
Storage Interface		SATA 3G	SATA 3G	SATA 3G	SATA 3G	SATA 3G	SATA 3G	SATA 3G
Expansion Slots		1*Mini-PCIE	1*Mini-PCIE	1*Mini-PCIE	1*Mini-PCIE	1*Mini-PCIE	1*Mini-PCIE (Full size)	1*Mini-PCIE (Full size)
Memory	(DC=Dual-Channel)	1*DDR3 800	1*DDR3 800	2*DDR3 1066	2*DDR3 1066	2*DDR3 1066	2*DDR3 800	2*DDR3 1333
Graphics	Integrated / Add on	GMA 3150	AMD Mobility Radeon HD5430M	Intel® GMA 3650	AMD Mobility Radeon HD7410M	Intel® GMA 3650	GMA 3150/ATI Radeon HD 7410M	Integrated in CPU
Audio		HD2.1 channel	HD2.1 channel	HD2.1 channel	HD2.1 channel	HD2.1 channel	HD 2 channel	HD 2 channel
Drive Bays		1*12.7 mm Slim ODD/1*2.5" HDD	1*12.7 mm Slim ODD/1*2.5" HDD	1*12.7 mm Slim ODD/1*2.5" HDD	1*12.7 mm Slim ODD/1*2.5" HDD	1*2.5" HDD	1*2.5" HDD	1*2.5" HDD
Front Panel	Card reader / eSATA / USB2.0	1 / - / 1	1 / - / 1	1 / - / 1	1 / - / 1	1 / - / 1	1/2	1/2
	USB2.0	4	4	4	4	4	4	2
I/O	Gigabit Ethernet	1	1	1	1	1	2	2
	Line (Mic) in / Lin (Earphone) out	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
	RS232 / RS232,RS422,RS485	-	-	-	-	2 / -	1/1	1/1
	Video Output	D-Sub	D-Sub / HDMI	D-Sub / HDMI	D-Sub / HDMI	D-Sub / HDMI / DVI-D	D-Sub / HDMI (Option)	DVI-I / HDMI
Power Supply		40W Adapter	40W Adapter	40W Adapter	40W Adapter	40W Adapter	40W Adapter	90W Adapter



# Shuttle®

## xPC series



### Shuttle All in One



		SH61R4	SH67H3	SZ68R5	SZ77R5	SX79R5
Dimension (mm)	L/W/H(mm)	325(L) x 215(W) x 190(H)	323(L) x 208(W) x 190(H)	332(L) x 216(W) x 198(H)	332(L) x 216(W) x 198(H)	332(L) x 216(W) x 198(H)
Weight (kg)	NW(KG)	3.2	3.2	3.5	3.5	3.5
	GW(KG)	5	5	5	5	5
Chassis Material		Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
Motherboard		FH61	<b>FH67V2</b>	FZ68	FZ77	FX79
Supported Socket Type (FSB)		Socket 1155	Socket 1155	Socket 1155	Socket 1155	Socket 2011
Supported Processor		Intel® 3 Generation LGA1155 Socket Max TDP 95W CPU Sandy Bridge™, Ivy Bridge™ CPU support	Intel® 3 Generation LGA1155 Socket Max TDP 95W CPU Sandy Bridge™, Ivy Bridge™ CPU support	Intel® 3 Generation LGA1155 Socket Max TDP 95W CPU Sandy Bridge™, Ivy Bridge™ CPU support	Intel® 3 Generation LGA1155 Socket Max TDP 95W CPU Sandy Bridge™, Ivy Bridge™ CPU support	2nd Generation Intel® Core™ i7 Extreme Processor Intel® Core™ i7 Processors
Chipset	North Bridge	x	x	x	x	x
	South Bridge	H61	H67	Z68	Z77	X79
Storage Interface		SATA 3G	SATA 3G / SATA 6G	SATA 3G / SATA 6G	SATA 3G / SATA 6G	SATA 3G / SATA 6G
Expansion Slots		1*PCI-Ex1, 1*PCI-Ex16, 1*mini PCI-E	1*PCI-Ex1, 1*PCI-Ex16, 1*mini PCI-E	1*PCI-E x4, 1*PCI-E x16, 1*mini PCI-E (mSATA), 1*mini PCI-E (short)	1*PCI-E x4, 1*PCI-E x16, 1*mini PCI-E (mSATA), 1*mini PCI-E (short)	2*PCI-Ex16, 1*mini PCI-E (mSATA), 1*mini PCI-E (short)
Memory	(DC=Dual-Channel / QC=Quad Channel)	2*DC DDR3 1333 MHz support	4*DC DDR3 1333 MHz support	4*DC DDR3 1333 MHz support	4*DC DDR3 1333/1600 MHz support	4*CH DDR3 1333 /1600MHz support
Graphics	Integrated / Add on	Integrated in CPU / YES	Integrated in CPU / YES	Integrated in CPU / YES	Integrated in CPU / YES	- / YES
Audio		HD 5.1 channel	HD 7.1 channel	HD 7.1 channel	HD 7.1 channel	HD 7.1 channel
Drive Bays		1* 5.25", 2* 3.5"	1* 5.25", 2* 3.5"	1* 5.25", 2* 3.5"	1* 5.25", 2* 3.5"	1* 5.25", 2* 3.5"
Front Panel	Card reader / eSATA / USB2.0 / USB 3.0	- / - / 2 / -	- / 1 / 1 / 2	- / - / 2 / 2	- / - / 2 / 2	- / - / 2 / 2
	Headphone / Mic	1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
Rear Panel	USB2.0 / USB 3.0	6 / 2	4 / 2	4 / 2	4 / 2	6 / 2
	Gigabit LAN	1	1	1	1	2
	SPDIF out	-	1	1	1	1
	Front (line) out / side surround out / Rear Surround out / Center (Bass) out / Line in (MIC in)	1 / - / 1 / 1 / 1	1 / 1 / 1 / 1 / 1	1 / 1 / 1 / 1 / 1	1 / 1 / 1 / 1 / 1	1 / 1 / 1 / 1 / 1
	D-sub / DVI / HDMI	DVI-D / DVI-I	DVI-I / HDMI	DVI-I / HDMI	DVI-I / HDMI	-
External SATA	-	1	1	1	1	
Power Supply (PFC)		250W power supply	300W 80 Plus power supply	500W 80 Plus power supply	500W 80 Plus power supply	500W 80 Plus power supply

★: over clock



Dimension (mm)		L/W/H(mm)
Weight (kg)	NW(KG)	2.92
	GW(KG)	4.2
Motherboard		FX50 V2
CPU		Intel® Atom™ D525
Chipset	North /South Bridge	NM10
Hard Disk		Support 2.5 inch HDD
Memory	(DC=Dual-channel)	DDR3 800 Max 4G
Graphics	Integrated	Intel® GMA3150
Audio		2 channels
Front Panel	MIC	V
	Web cam	2.0M
IO	Panel	15.6" LED
	USB 2.0 / USB3.0	4 / 0
	LAN	10/100
	Line (Mic) in / Lin (Earphone) out	1 / 1
	Video Output	D-sub
	Cardreader	4 in 1
	DC-in	1
	Power Supply	
Unique Features	Smart Fan	- (Fanless)
	Speaker	2W X 2
	Single touch/Multi touch/NON	V / - / -
	Wifi	802.11b/g/n
	RS232/LPT	Optional
	VESA mount	V
Others	OS	Win 7 / Linux
Color		Black / White



\* The specifications and pictures are subject to change without notice. \* All brand names and products are registered trademarks of their respective companies.

# Accessories

Accessory Model Name	Product	Application
PCL68	X50V2 Plus X50V2 PL	For X50V2 Plus / X50V2 PL
PCL69	X50V3	RS232 / LPT port accessory for X50V3
PS01	XH61 series	XH61 series Stand
PV01	XS35 series	VESA mount for all XS35 series models
PV02	XH61 series	XH61 series VESA mount accessory
PV03	XS36V	VESA mount for XS36V model
PHD2	XS35 series	Accessory for XS35 series to support second hard disk drive
PHD3	XPC	Accessory for Cube XPC 3.5" to 2.5" HDD rack
J-RS232	XPC	RS232 daughter board for Cube XPC
PC61J	XPC H/J/R series chassis	Efficient 300W 80 Plus Power Supply Upgrade Kit for Shuttle XPCs
PC63J	XPC H/J/R series chassis	Efficient 500W 80 Plus Power Supply Upgrade Kit for Shuttle XPCs

## The balanced POS Hardware solution for Small and Medium Business

### Energy-saving solutions

- Based on Intel Atom processor platform
- Consumption only 20-30 Watts

### Reliable Performance

- The X50 series support Atom dual-core CPU (D525/2700) + Hyper Threading

### Simply Touch

- With 39.6cm (15.6") touch-screen

### 100% fan-less\*

- Ideal for noise-sensitive environments
- Maintenance-free, passive cooling
- \*Fan-less compatible for X50V2 Plus, X50V2 PL, X50V3 models.

### 15.6" All-in-One Barebone X50V2 Plus

#### ✓ Quiet and frugal

Fanless – virtually noiseless and maintenance-free  
Only 13 to 22 W – cool and reliable

#### ✓ Dual-core Atom

Intel® Atom™ D525 processor with two cores + Hyper-Threading

#### ✓ Small and practical

Pedestal can also be used as a carrying handle, case only 3.6 cm thin with very small PSU

#### ✓ VESA-compatible

Suitable for 100 mm VESA mount

#### ✓ Serial and parallel ports (optional)

For industry and business applications

#### ✓ VGA connector

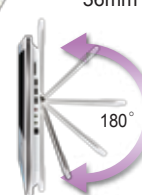
Enables dual-screen display in advanced mode

#### ✓ Enhanced components

Microphone, speakers, 2M webcam for enhanced audio-visual communication quality

#### ✓ Application-optimized

POS system, health service communication centre, information terminal, home automation and equipment control, digital signage (presentation)



## The Shuttle XPC is a fully-fledged Desktop PC in a Mini-PC format

### Compact and stylish

- Only about 13 liters in volume
- Stylish design, high-class finish

### Supports powerful Desktop processors

- Supports high-end processors
- Choice of different processor sockets and chipsets

### Heatpipe cooling system

- Efficient heatpipe cooling system\*
- Linear controlled fans
- Intelligent airflow

### High connectivity

- Vast array of ports just as on a conventional Desktop PC
- Supports two hard disks and an optical drive (standard components)

\* Optional with the SG41 series.



## Lifestyle SH61R4

Basis for a reliable Mini-PC for daily applications in the office and as an entry-level home computer

#### ✓ Now with new R4 front panel

- Classic Shuttle style with four screws
- Custom front design with user-defined background image

#### ✓ Support Intel®LGA1155 socket for Intel® 2nd Generation Core™ Processors

#### ✓ Supports up to 16 GB DDR3 RAM

- Two DIMM sockets, dual-channel

#### ✓ Integrated graphics with two outputs

- Outputs: DVI-I and DVI-D, supports dual-monitoring

#### ✓ Supports dual-slot graphics cards\*

- Or one single-slot graphics card plus PCI-E card

#### ✓ Maximum two hard disks + optical drive

- Also supports Solid-State-Drive (SSD) and Blu-ray drive

#### ✓ High connectivity

- 6x USB 2.0, 2x USB 3.0, audio, Gigabit LAN, optional COM/LPT

#### ✓ Application-optimized

- Entry-level home PC, business computer, professional applications with COM port

\* Supports e.g. passively cooled graphics cards with large heat-sink. The standard power supply does not support an additional power connector for the graphics card.

## Home Media SH67H3

High performer for 2nd generation of Intel Core processors

#### ✓ Support Intel®LGA1155 socket for Intel® 2nd Generation Core™ Processors

#### ✓ Supports up to 32 GB DDR3 RAM

- Four DIMM sockets with dual-channel mode

#### ✓ Supports dual-slot graphics cards

- With additional 6-pin power supply

#### ✓ Enhanced integrated Intel HD graphics function

- HDMI and DVI-I output, supports dual monitoring
- Supports Full-HD and Blu-ray video and enhanced 3D performance

#### ✓ Maximum two hard disks + optical drive

- Supports SATA 6G and RAID mode
- Also supports Solid-State-Drive (SSD) and Blu-ray drive

#### ✓ State-of-the-art range of connectors

- SATA 6G, eSATA, USB 3.0, 7.1 channel audio, S/PDIF, LAN, COM port (optional)

#### ✓ Application-optimized

- Ideal home PC for multimedia, ready for games with 3D graphics card, business computer for sophisticated applications



## Performance SX79R5

High performer for 2nd generation of Intel Core processors

#### ✓ Support Intel® LGA 2011 socket for Intel® 2nd Generation Core™ i7 Processors family

#### ✓ Supports up to 32 GB DDR3 1600MHz RAM

- Four DIMM sockets with Quad channel mode

#### ✓ Supports high-end graphics cards

- With 6+8-pin power connector\*

#### ✓ Max. two hard disks + optical drive

- Supports SATA 6G and RAID mode
- Also supports Solid-State-Drive (SSD) and Blu-ray drive

#### ✓ State-of-the-art range of connectors

- SATA 6G, USB 3.0, S/PDIF, 2x LAN

#### ✓ 500 W 80PLUS Bronze power supply

- Sufficient e.g. for 6-core CPU, high-end graphics\*, 32 GB RAM

#### ✓ Application-optimized

- High-end gaming, 3D presentation, graphics/video workstation, data/internet server, scientific calculator, mobile high-end PC

\* Supports e.g. NVIDIA GeForce GTX 580, NVIDIA Quadro 5000 or ATI Radeon HD 5870



## Shuttle Slim and Ultra Slim PCs

### Energy-saving

→ Support Intel® Atom Processors and 2nd Gen Intel® LGA 1155 Socket Core i 65 Watts CPU family for high-end Slim model.

### Fully line-ups – 3 Liters, 1.5 Liters and less than 1 liter

→ To leave more space for any kind of business environment.

### Balanced Platform for Office, POS, POI and Digital Signage\*

→ Com port compatible enable you to create business Computers, POS systems and Digital Signage.

\*Com Port Compatible for XS35 series and XS36V

### Fanless

→ Shuttle All-in-One and Slim series enjoy the advantages of the fanless design. The Shuttle fanless design, implementing the ideal cooling concept and forms a specially designed thermal module, ensures a passively cooled, quiet, dust-free and low energy consuming operating environment.

## Cost-Optimized Slim PC for Home, Office and Business



Stand for vertical operation (optional)



VESA-mount (PV02 - optional)

### Barebone XH61V

High-performance slim PC with versatile application potential

#### ✔ Stylish 3-litre design

With drive doors for optical drive and front ports

#### ✔ Supports Intel® LGA 1155 Socket processors

Intel® Core™ i3/i5/i7, Pentium®, Celeron® 65W CPU

#### ✔ Supports up to 16 GB standard memory

Two DIMM sockets support 2x 8 GB DDR3-1333 modules

#### ✔ Integrated graphics with two outputs

Two Video outputs: HDMI and DVI-I, supports dual monitoring

#### ✔ Supports Notebook drives

Supports 2.5" hard disk or SSD and slim optical drive  
SATA cables already pre-installed

#### ✔ High connectivity

HDMI, D-Sub, 6x USB 2.0

#### ✔ Application-optimized

RS232, RS422, RS485 With 0V/5V/12V support



Kit for second hard drive instead of optical drive (PHD2 - optional)



VESA-mount 75/100 mm (PV01 - optional)



VESA-mount 75/100 mm (PV03 - optional)

### Barebone XS35V2 series

Respite for your ears – the first fan-less 1-litre PC with ION2 graphics

#### ✔ Quiet

Virtually noiseless and maintenance-free

#### ✔ Dual-core Atom

Energy-saving Intel® Atom™ D525 processor

#### ✔ Exceptionally small – just 1.5 liters

For more space on your desk

#### ✔ XS35GT: Full-HD compatible

NVIDIA ION2\* graphics with HDMI supports smooth playback of 1080p videos

#### ✔ Frugal

Only 20.5 to 29 W-cool and reliable

#### ✔ Optional optical drive

Can be fitted with DVD or Blu-ray drive + 2.5" hard disk

#### ✔ Application-optimized

Home Media Centre, point-of-sale PC, office PC, digital signage.

• ION2 = Next-Generation NVIDIA ION Mini-PCI-Express graphics card with HDMI and VGA output

### Barebone XS36V

Ultra Small – 1.2 liter  
For more space for your business environments

#### ✔ Quiet

Virtually noiseless and maintenance-free

#### ✔ Dual-core Atom

Support the latest Intel® Cedarview D2700 processor

#### ✔ Frugal

Only 20.5 to 29 W-cool and reliable

#### ✔ RS232 application-optimized

Point-of-sale PC, office PC, Point-of-Information PC, entry digital signage

## A performance and durable PC platform for vertical application and business

Running a business is a daily challenge and you need more time to focus on your plan, business and customers.

Shuttle could help you to grow your name and business in a time-effective way by our performance-pushing mini-PC barebone with the latest Intel® Core™i7, or one that's very energy-efficient All-in-One touch panel PC and Slim PC powered Intel® Atom™ dual-core processors for your POS, POI, Digital Signage and other vertical usage as Education and Health care.

## Beauty Care

How the leading drug and cosmetics chain store in Taiwan using X50 in cosmetics sales?

Using Shuttle All-in-One X50 as SKIN CONDITION DETECTION.

Shuttle All-in-One PCs:

#### ✔ Touch Screen

#### ✔ COM port RS232 for SKIN DETECTION SCANNER

#### ✔ Compact size of 15.6 inches

#### ✔ Fan-less : Quiet, Dust-free and energy -efficient



## Point of Sale for Retail

How would you boost your restaurant sales?

Using Shuttle All-in-One X50 series and Slim PCs as POS system to

handle the daily operations of all types of restaurant.

Shuttle All-in-One PCs:

#### ✔ Touch Screen

#### ✔ Dual Display Support

#### ✔ COM / LPT port as supports

#### ✔ Compact size designed

#### ✔ VESA Mount Capability

#### ✔ Fan-less : Quiet, Dust-free and energy -efficient



## Digital Signage

How Shuttle Slim PC is the best backend platform for Digital Signage? Using Shuttle Slim PCs as Digital Signage backend system to expose your business to the world

Shuttle Slim PC series (XS35GTV2, XS35GT V2 Pro, XS35V3, XS35GTA V3 and XS36V)

#### ✔ Support 1080p HDMI output

#### ✔ COM port RS232 Support

#### ✔ Slim at 1.5 liter and 1 liter design

#### ✔ VESA Mount Capability

#### ✔ Fan-less : Quiet, Dust-free and energy -efficient



## Education PC

How do you choose a PC that's fit for a classroom.

Using Shuttle XPC for classroom – small but can do it all.

#### ✔ Compact design that made the most of the space available in the classroom

#### ✔ Good spec and energy-efficient

#### ✔ Quiet and Cooling technology

#### ✔ Wide-range from 13 liter cube size model, 3 liter book size PC and 1 liter Slim series





# Store and Share the Great Moments in Life with OMNINAS

As digital content have become more prevalent in daily life, users are increasingly interested in sharing this content, both inside and outside of their homes, across computers and other digital devices. Shuttle's brand new product – OMNINAS KD20 is an user-friendly 2-bay network attached-storage, which is designed to become your hub of multimedia content - letting you easily store and share documents, personal movies and music as well as photos. Not only does it support access from personal computers, the OMNINAS KD20 makes sure you have your files always with you - be it on the go on Android or iOS-based devices or basically from any place in the world.



### 1.Upload and share files from iPhone®, iPad® and Android devices

In the modern world, nothing is as important as reaching your data from anywhere. By using a simple app, you can manage your NAS, upload to, download and stream all of your media and files from iOS and Android device on the go.



Enjoy music or video stored at home from anywhere

Easy access from anywhere and no more worry about the forgotten files

Upload important photos and/or document to your Home from anywhere

### 2.One-Button Hot-Swap Function

In order to provide an easier way to replace the hard drive without any configuration, OMNINAS KD20 is the only NAS featured an unique “one-button hot-swap” function. Just press the hardware button, wait for few seconds, then the hard drive can be removed with little effort.



### 3. 2-bay 8TB Storage Capacity Supports

OMNINAS KD20 is a 2-bay designed NAS, to support up to and from two 4TB hard drives for a total capacity of 8TB. It can configure drives to work in a JBOD, RAID 0 or RAID 1 configuration, depending on data transfer and security as required.



### 4.Multiple Server Features

#### ✓ Print Server

The OMNINAS KD20 works as a print server to allowing you to plug in your printer and share copies over the network.

#### ✓ iTunes Server

Creating an iTunes server based on an OMNINAS KD20 is easy to set up and let you play back media content via the server and directly on to your devices with iTunes clients over a network.

#### ✓ Multimedia Server

If you want to stream, rather than just store and share audio and video from your file server, OMNINAS KD20 can act as your personal media server and allows you play multimedia files through XBOX, PS3, or media players on TV.



### 5.Superior Performance

Featuring stable quality and excellent performance with read/write transmission at 75MB/s & 55MB/s. OMNINAS KD20 allows multiple users up to a number of 20 to access data at the same time.

\*The transmission in accordance with environmental conditions

### 6.USB 3.0 connectivity

USB 3.0 performs at 5.0Gbps (640 Mbytes/sec) as its top speed which enables OMNINAS KD20 deliver up to ten times the speed of the data transfer of USB 2.0. In addition, the built-in 3-in-1 card reader (SD/MMC/MS) offers “Auto Copy” to make it easier for photos and video to be added to your collection.



Hardware Specifications	
CPU	PLX 7821/700Mhz
HDD	2 x 3.5"
Lockable HDD Tray	yes
OS	Embedded Linux
Largest single HDD capacity supported	> 3TB
DRAM	256MB DDR2
NAND	1Gb
USB 2.0	2 (flash drive, external HDD, hub, printer, digital camera, etc.)
USB 3.0	1 (front panel) (flash drive, external HDD, hub, printer, digital camera, etc.)
Card Reader	1 (front panel) SD/MMC/MS Card
10/100/1000 Ethernet	1 (10/100 green, 1000 orange; access/link blinking green)
RAID	0, 1, JBOD
Support single HDD	Yes
Hot Swap	Yes
Hot Swap button (zero configuration)	1 for each HDD
RTC	Yes
Power Adaptor	65W
Power Consumption (Standby/Operational)	11W/16W
Performance (Read/Write) MB/s	75/55*
Max. # of users	50
Max. # of share folders	20
Max. # of concurrent connections	20
LED Indicators	HDD1 - dual color (blue/red, access/error) HDD2 - dual color (access/error), Status/power button - dual color (blue/red, access/error) USB (single blue color,access), card reader (single blue color, access)
Alarm Buzzer	System Warning
Fan	smart fan
Reset Button	back panel
Power Button	front panel
Secure lock	Kensington Lock
Operation Temperature	0 - 40 °C
Certification	CE, FCC, C-TICK, BSMI
Chassis	Aluminum/Plastic
Size	169.8mm (H) x 90.0mm (W) x 225.0mm (L)
Weight	TBD
Accessories	Power Adaptor (65W), AC Power Cord, Ethernet Cable
*Performance depends on the testing environment	

### 7.Ideal Thermal Performance

Using a 2.5mm stylish aluminum housing, which is not just to match the design of your home environment, it is also increases the thermal performance of the device. In a team of smart cooling engine, the fan speed is adjusted automatically to ensure a reliable and quiet usage environment.

Software Specifications	
OS	Embedded Linux
Supported OS	Microsoft Windows XP and above, Mac OS and Linux
Mobile Device Access	iPhone, iPad, Android phone, Android tablet
Supported Mobile OS	iOS 4.2 and above, Android 2.3 and above
Mobile Device Application	Apple store App for iPhone & iPad, Android market App for phone & tablet
Supported Browser	IE 7.0 or later, Firefox 3 or later, Safari 3 or 4 and Google Chrome
Languages	English, Traditional Chinese, Simplified Chinese, German, Japanese
Accessing Right Management	Users Management (Max. users: 50) Folder Management (Max. shared folders: 20) Public/Private folders configuration
LAN Configuration	DHCP/Static IP, Auto IP, Hostname/Group name Samba Server (File sharing) DHCP client
Networking Services	USB Storage devices sharing Printer Server iTunes Server Apple File Protocol (AFP) Media Server/DLNA Compliant NTP for time synchronization SSH
Backup	Quick Copy for USB Storage devices (USB Storages to NAS) NAS to USB Storage backup NAS to NAS backup Memory card to NAS
Scheduling	Schedule backup Schedule for NTP time synchronization
Remote Access	Remote Access by Internet Browser Remote Access by Smartphone HDD Spin-down timer Single disk, RAID 0/1, JBOD
Disk Management	Check Disk Disk usage status management Disk Format SMART information report
Download	BT Download without PC (schedule download, tasks download, download configuration, etc.) Firmware upgrade Time-Zone Settings
System Setup/Tools	NAS Discovery tool Factory Reset System log