

# 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

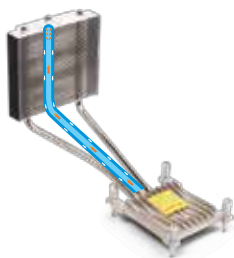
The Shuttle Smart USB Port is a USB port which allows fast power charging when a smart phone or tablet PC plugin is detected. It is designed to feed power up to 5V/2A (varies with different smart devices) no matter when the system power is on or off.



\* 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.



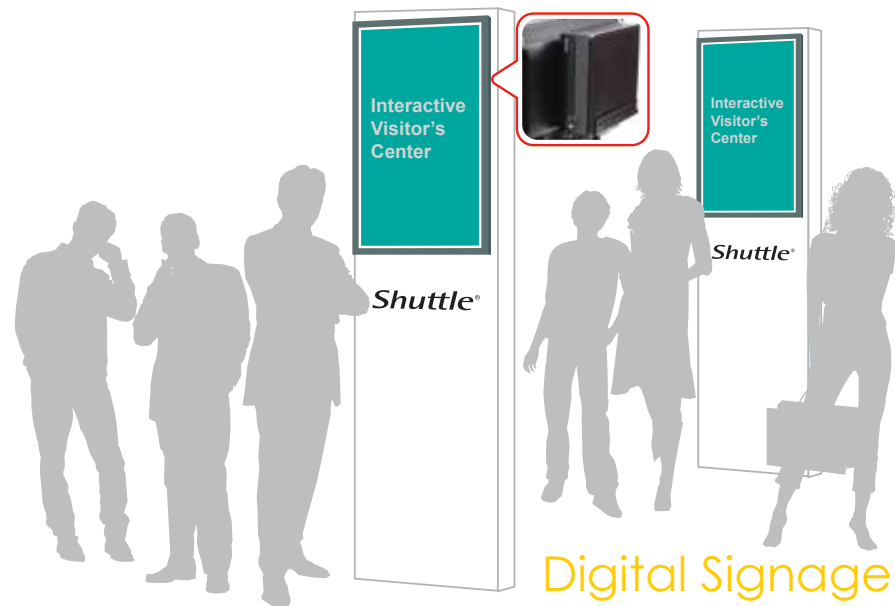
# Shuttle®



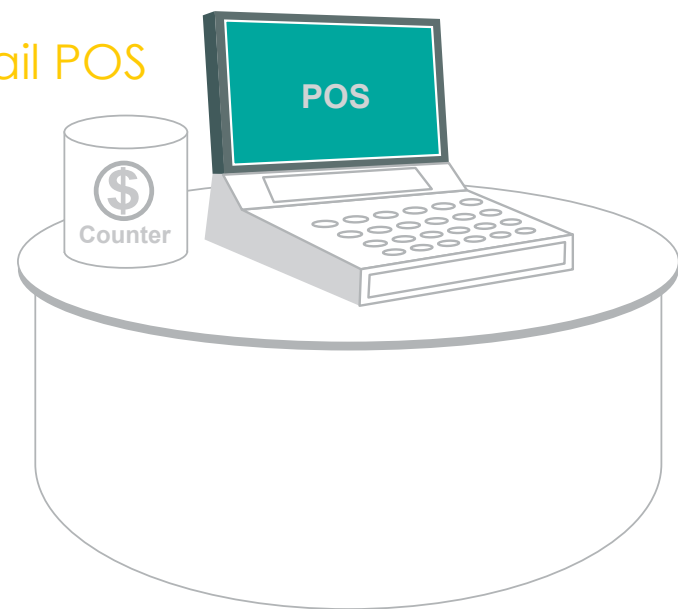
# Business Special Solutions

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!

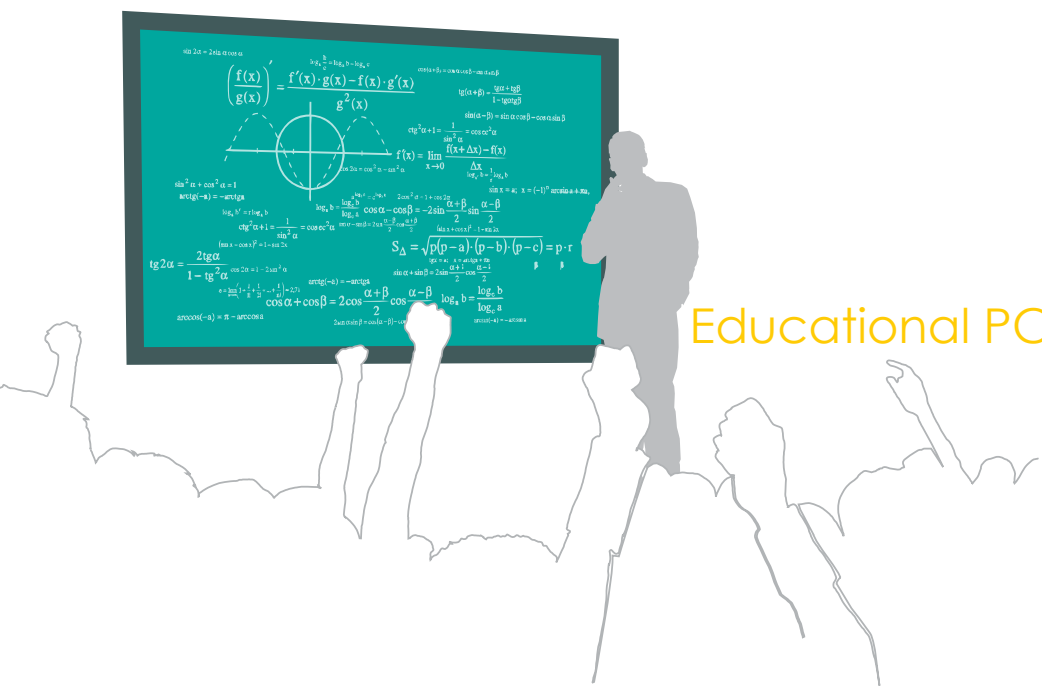
**Usage Solution:** Public Construction, Retail/POS, Digital Signage, Video Editing, Educational Usage



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.

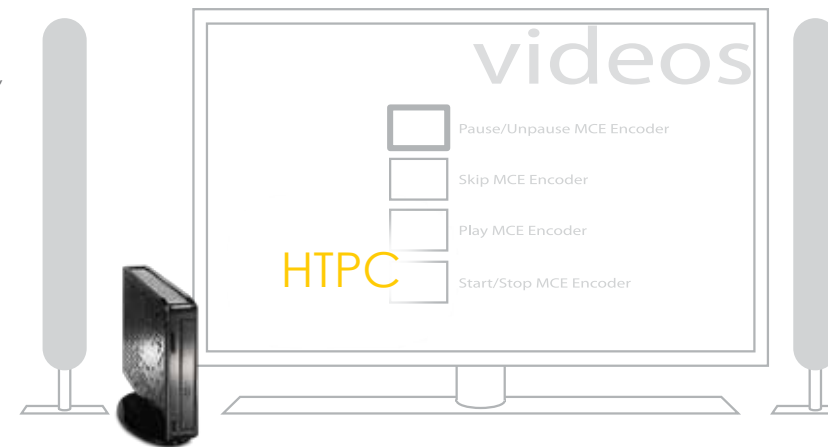
The Shuttle Slim PC is designed especially for everyday home entertainment and can be mounted easily behind LCD TV or monitor as a Home Theater PC (HTPC) in an acceptable price range.

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

Kitchen



HTPC





## Shuttle Ultra slim

		XS35V2	XS35GS V2	XS35 V3L	XS35GS V3L	XS36VL	DS61 V1.1	DS47
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 43(H)	200(L) x 165(W) x 39.5(H)
Weight (kg)	NW(KG)	2.1	2.1	2.1	2.1	1.6	1.3	1.3
	GW(KG)	2.8	2.8	2.8	2.8	2.3	2.05	2.05
Chassis Material		Plastic	Plastic	Plastic	Plastic	Plastic	Metal	Metal+Plastic
Motherboard		Uspa	Uspa	Uspa	Uspa	Uspa	FS61	FS47
Supported Socket Type		BGA	BGA	BGA	BGA	BGA	LGA1155	BGA
Supported Processor		Intel® Atom™ D525	Intel® Atom™ D525	Intel® Atom™ D2550	Intel® Atom™ D2550	Intel® Atom™ D2550	Intel® 3 Generation LGA1155 Socket Max TDP 65W CPU Sandy Bridge™ , Ivy Bridge™ CPU support	Celeron 847
Chipset		NM10	NM10	NM10	NM10	NM10	H61	NM70
Storage Interface		SATA 3G	SATA 3G	SATA 3G	SATA 3G	SATA 3G	SATA 3G	SATA 6G
Expansion Slots		1*Mini-PCI-E	1*Mini-PCI-E	1*Mini-PCI-E	1*Mini-PCI-E	1*Mini-PCI-E	1 Mini-PCI-E (mSATA), 1 Mini-PCI-E (half-size)	1 Mini-PCI-E (mSATA), 1 Mini-PCI-E (half-size)
Memory	(DC=Dual-Channel)	1*DDR3 800	1*DDR3 800	2*DDR3 1066	2*DDR3 1066	2*DDR3 1066	2*DDR3 1333	2*DDR3 1333
Graphics	Integrated / Add on	Intel® GMA 3150	AMD Mobility Radeon HD7410M	Intel® GMA 3650	AMD Mobility Radeon HD7410M	Intel® GMA 3650	Integrated in CPU	Intel® HD Graphics / -
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 / USB2.0 / RS232 / RS232,RS422,RS485	1 / 1 / - / -	1 / 1 / - / -	1 / 1 / - / -	1 / 1 / - / -	1 / 1 / 1 / 1	1 / 4 / - / -	1 / 4 / 1 / 1
	USB2.0 / USB3.0	4 / -	4 / -	4 / -	4 / -	4 / -	- / 2	- / 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	DVI-I / HDMI	DVI-I / HDMI
Power Supply		40W Adapter	40W Adapter	40W Adapter	40W Adapter	40W Adapter	90W Adapter	65W Adapter



## 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		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
Power Supply (PFC)		90W Adapter



# Shuttle®

## »»PC series



### Shuttle All in One



Dimension (mm)	L/W/H(mm)
Weight (kg)	NW(KG)
	GW(KG)
Chassis Material	
Motherboard	
Supported Socket Type (FSB)	
Supported Processor	
Chipset	
Storage Interface	
Expansion Slots	
Memory	(DC=Dual-Channel / QC=Quad Channel)
Graphics	
Audio	
Drive Bays	
Front Panel	Card reader / eSATA / USB2.0 / USB 3.0
	Headphone / Mic
Rear Panel	USB2.0 / USB 3.0
	Gigabit LAN
	SPDIF out
	Front (line) out / side surround out / Rear Surround out / Center (Bass) out / Line in (MIC in)
	D-sub / DVI / HDMI
	External SATA
Power Supply (PFC)	

SH61R4	SZ77R5	SX79R5	SH87R6	SZ87R6
325(L) x 215(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)	332(L) x 216(W) x 198(H)
3.2	3.5	3.5	3.5	3.5
5	5	5	5	5
Aluminum	Aluminum	Aluminum	Aluminum	Aluminum
FH61	FZ77	FX79	FH87	FZ87
Socket 1155	Socket 1155	Socket 2011	Socket 1150	Socket 1150
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	Intel 4 generation socket Max TDP 95W CPU	Intel 4 generation socket Max TDP 95W CPU
H61	Z77	X79	H87	Z87
SATA 3G	SATA 3G / SATA 6G	SATA 3G / SATA 6G	SATA 6G / SATA 6G	SATA 6G / SATA 6G
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)	2*PCI-Ex16, 1*mini PCI-E (mSATA), 1*mini PCI-E(short)	1*PCI-Ex4, 1*PCI-Ex16, 1*mini-PCI-E(mSATA), 1*mini PCI-E(short)	1*PCI-Ex4, 1*PCI-Ex16, 1*mini-PCI-E(mSATA), 1*mini PCI-E(short)
2*DC DDR3 1333 MHz support	4*DC DDR3 1333/1600 MHz support	4*CH DDR3 1333 /1600MHz support	4*CH DDR3 1333 /1600MHz support	4*CH DDR3 1333 /1600MHz support
Integrated in CPU / YES	Integrated in CPU / YES	- / YES	Integrated in CPU / YES	Integrated in CPU / YES
HD 5.1 channel	HD 7.1 channel	HD 7.1 channel	HD 7.1 channel	HD 7.1 channel
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"
- / - / 2 / -	- / - / 2 / 2	- / - / 2 / 2	- / - / 2 / 2	- / - / 2 / 2
1 / 1	1 / 1	1 / 1	1 / 1	1 / 1
6 / 2	4 / 2	6 / 2	4 / 2	4 / 2
-	1	1	1	1
1 / - / 1 / 1 / 1	1 / 1 / 1 / 1 / 1	1 / 1 / 1 / 1 / 1	1 / 1 / 1 / 1 / 1	1 / 1 / 1 / 1 / 1
DVI-D / DVI-I	DVI-I / HDMI	-	DVI-I / HDMI	DVI-I / HDMI
-	1	1	1	1
250W power supply	500W 80 Plus power supply	500W 80 Plus power supply	300W 80 Plus power supply	500W 80 Plus power supply

Dimension (mm)	L/W/H(mm)
	NW(KG)
Weight (kg)	GW(KG)
	Motherboard
CPU	
Chipset	
Hard Disk	
Memory	(DC=Dual-channel)
Graphics	
Audio	
Front Panel	MIC
	Web cam
IO	Panel
	USB 2.0 / USB3.0
	LAN
	Line (Mic) in / Lin (Earphone) out
	Video Output
	Cardreader
	DC-in
	Power Supply
Unique Features	Smart Fan
	Speaker
	Single touch/Multi touch/NON
	Wifi
	RS232/LPT
	VESA mount
Others	OS
Color	

X50 V2 Plus	X50V2 PL	X50V3L	X70S/M/N
36 x 391.3 x 327	36 x 391.3 x 327	42 x 391.3 x 327	57 X 468 X 364
2.92	2.92	2.92	4.6
4.2	4.2	4.2	6.5
FX50 V2	FX50 V2	FX35V3	FX70
Intel® Atom™ D525	Intel® Atom™ D525	Intel® Atom™ D2550	Intel Core i3/i5/i7 65W CPU
NM10	NM10	NM10	H61
Support 2.5 inch HDD	Support 2.5 inch HDD	Support 2.5 inch HDD	Support 2.5 inch HDD
DDR3 800 Max 4G	DDR3 800 Max 4G	DDR3 1066 Max 4G	DC DDR3 1333 Max 8G
Intel® GMA3150	Intel® GMA3150	Intel® GMA 3650	Integrated in CPU
2 channels	2 channels	2 channels	2 channels
V	V	V	V
2.0M	2.0M	2.0M	FULL HD
15.6" LED	15.6" LED	15.6" LED	18.5 LED
4 / 0	4 / 0	4 / 0	6/2
10/100	10/100	10/100/1000	10/100/1000 X2
1 / 1	1 / 1	1 / 1	1/1
D-sub	D-sub	D-Sub / HDMI	HDMI
SD card	SD card	SD card	SD card
1	1	1	1
40 W	40 W	40 W	120 W
- (Fanless)	- (Fanless)	- (Fanless)	Yes
2W X 2	2W X 2	2W X 2	2W X2
V / - / -	- / - / -	V / - / -	X70S V / X70M V / X70N V
802.11b/g/n	802.11b/g/n	802.11b/g/n	802.11b/g/n
Optional	Optional	Optional	Optional
V	V	V	V
Win 7 / Linux	Win 7 / Linux	Win 7	Win 7/Linux
Black / White		Black / White	



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## Accessories

Accessory Model Name	Product	Application
PCL68	X50V2 Plus X50V2 PL	For X50V2 Plus / X50V2 PL
PCL69	X50V3	RS232 / LPT port accessory for X50V3
PCL70	X70 series	RS232 / LPT port accessory for X70
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

Accessory Model Name	Product	Application
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
PK20	KD20	2.5 inch or 3.5 inch HDD rack for OMNINAS KD20
KB40	XPC	Keyboard & Mouse (Black/White)



## 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

### High connectivity

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

### 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

## Lifestyle SH61R4



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

- ✓ **Support Intel® LGA1155 socket for Intel® 3rd Generation Core™ Processors**
- ✓ **Supports up to 16 GB DDR3 RAM**  
Two DIMM sockets, dual-channel
- ✓ **Integrated graphics with two outputs**  
Outputs: DVI-H 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
- ✓ **2x USB 3.0, Gigabit LAN**

\* 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.

## 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
- ✓ **500 W 80PLUS Bronze power supply**  
Sufficient e.g. for 6-core CPU, high-end graphics\*, 32 GB RAM

\* Supports e.g. AMD Radeon™ HD 7970 and NVIDIA® GeForce® GTX 680



## The balanced POS 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 (D525/2550) + 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, X50V3L models.

## 15.6" All-in-One Barebone X50V2/V3 series

### Quiet and frugal

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

### Dual-core Atom

- Intel® Atom™ D2550 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

### Application-optimized

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



## Shuttle Slim and Ultra Slim PCs

### Energy-saving

→ Support Intel® Atom Processors and 3rd 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



### Barebone XH61V

High-performance slim PC with versatile application potential

- ✓ **Stylish 3-liter design**  
With drive doors for optical drive and front ports
- ✓ **Supports Intel® LGA 1155 Socket processors**  
Intel® Core™ i3/i5/i7, Pentium®, Celeron®
- ✓ **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 D-Sub, 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**  
Slim home PC, business computer

Stand for vertical operation (optional)



VESA-mount (PV02 - optional)



### Barebone XS35V2 / V3 series

Respite for your ears – the first fan-less 1-liter PC with AMD graphics

- ✓ **Quiet**  
Virtually noiseless and maintenance-free
- ✓ **Dual-core Atom**  
Energy-saving Intel® Atom™ D525 / D2550 processor
- ✓ **Exceptionally small – just 1.5 liters**  
For more space on your desk
- ✓ **XS35GS V2 / V3 : Full-HD compatible**  
AMD HD7410M 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.

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



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



### Barebone XS36VL

- ✓ **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 D2550 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

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

## 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 (XS35V2, XS35GS V2, XS35V3L, XS35GS V3L and XS36VL)

- ✓ **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



Shuttle's NAS product OMNINAS is a network attached-storage that features powerful data storage, backup, security and multiple servers. What really makes it stand out is designed to become your hub of multimedia content – having your files always with you - be it on the go on Android or iOS-based devices or basically from any place in the world.

### Convenient Hot Swap Function Design

OMNINAS has a unique HDD tray design that simplifies HDD installation and also supports the One-button Hot-Swap function.

#### ☑ RAID 1

In RAID 1 mode, just press the hardware button, wait for few seconds, can easily replace the backup HDD in a working system. This feature also provides HDD data with safety backup protection.

#### ☑ Dual Single HDD

OMNINAS supports Dual Single-HDD mode. One simple press of a button replaces any single HDD in a working system.  
\*Dual Single HDD mode will vary depending on the model.



### Hotspot Function

OMNINAS is built-in Wireless AP that supports the Hotspot function. By the OMNINAS, the application environment is extended to the wireless network and all Wi-Fi compatible devices at home or in the office, then connects to the worldwide. You can search and access NAS database directly and experience the convenience of wireless.

\*Wireless AP will vary depending on the model.



### Superb Transfer Performance

OMNINAS offer superb transfer performance with speeds of up to 110MB/s. It allows multiple users access the data simultaneously and design special for small office, workgroups or home use.

\*Transmission performance will vary depending on the model and system environment.



### 1. Acronis True Image backup software

OMNINAS are bundled with a DVD of the popular Acronis True Image Personal Edition software. This utility provides a powerful data backup capability that supports full backups or selective backup of key files, increasing flexibility and convenience of data backups.



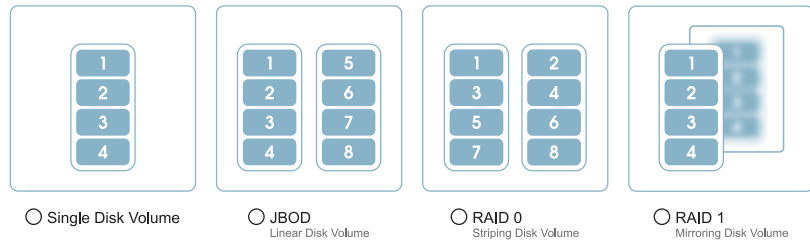
### 2. USB 3.0 Connectivity

The OMNINAS comes with USB 3.0 high-speed ports that has transfer rates of up to 5.0Gbps (640Mbyte/sec) and is 10 times faster than USB 2.0. It is also built-in SD card reader with "Auto Copy" function that stores digital content, such as photos and videos, quickly and conveniently to the NAS.



### 3. Supports RAID 0/1/ JBOD modes

OMNINAS supports RAID 0, RAID 1 and JBOD modes. You can base on the demand, select suitable mode for highest read/write performance (RAID 0), best data protection (RAID 1) or largest useful capacity (JBOD).



### 4. Energy-saving and Green Power design

The OMNINAS design conforms to international IEEE802.3az Energy-Efficient Ethernet standard and the minimum power consumption only 9W. The eco-friendly Green Power design of OMNINAS saves energy & cost at the same time.  
\* Minimum power consumption will vary depending on model.



### 5. Powerful & Multiple server functions

#### Print Server

OMNINAS works as a Print Server. Simply connect a printer to the NAS to share copies over the network.



#### iTunes Server

Creating an iTunes server based on an OMNINAS 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.



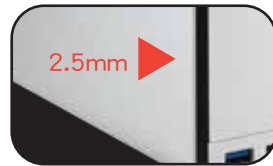
#### DLNA Media Server - Twonky

The integrated Twonky DLNA Media Server software automatically sorts all the media stored on the NAS (photos, videos, music) and no longer spend time to organize the files. High compatibility with other DLNA devices and support for a wide range of multimedia formats enable OMNINAS to easily play more multimedia contents.



### 6. Excellent cooling design

OMNINAS uses 2.5mm stylish aluminum casing, which is not just to match the design of your home environment, it is also with a smart low-noise cooling system. In a team of smart cooling engine, the fan speed is adjusted automatically to ensure a reliable and quiet usage environment.



### Hardware Specifications

	KD22	KD20
CPU	Marvell 88F6707 1.2GHz SOC	PLX 7821/750Mhz dual-core
HDD	2 x 3.5" HDD or 2x 2.5" HDD/SSD	2 x 3.5" HDD or 2x 2.5" HDD/SSD
Lockable HDD Tray	Yes	Yes
Largest single HDD capacity supported	> 4TB	> 4TB
DRAM	512MB DDR3	256MB DDR2
NAND	1Gb	1Gb
USB 2.0	1 (flash drive, external HDD, hub, printer, digital camera, etc.)	2 (flash drive, external HDD, hub, printer, digital camera, etc.)
USB 3.0	2 (front panel) (flash drive, external HDD, hub, printer, digital camera, etc.)	1 (front panel) (flash drive, external HDD, hub, printer, digital camera, etc.)
Card Reader	1 (front panel) SD Card	1 (front panel) SD Card
10/100/1000 Ethernet	1 (10/100 green, 1000 amber; access/link blinking green) IEEE 802.3az for Green Lan	1 (10/100 green, 1000 amber; access/link blinking green)
Wireless Support	2.4 GHz operation frequency AP mode, IEEE 802.11 b/g/n	N/A
RAID	0, 1, JBOD	0, 1, JBOD
Support single HDD	Yes and single expansion	Yes
Hot Swap	Yes	Yes
Hot Swap button (zero configuration)	1 for each HDD	1 for each HDD
RTC	Yes	Yes
Performance (Read/Write) MB/s	110/75 MB/s*	75/55 MB/s*
	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)	"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)"
LED Indicators		
Alarm Buzzer	System Warning	System Warning
Fan	Smart fan	Smart fan
Reset Button	Back panel	Back panel
Power Button	Front panel	front panel
Secure lock	Kensington lock	Kensington lock
Certification	CE, FCC, C-TICK, BSMI, CB, EUP Lot6, R&T	CE, FCC, C-TICK, BSMI, CB, EUP Lot6
Chassis	Aluminum/Plastic	Aluminum/Plastic
Size	169.8mm (H) x 90.0mm (W) x 225.0mm(L)	169.8mm (H) x 90.0mm (W) x 225.0mm(L)
Accessories	Power Adaptor (65W), AC Power Cord, Ethernet Cable, CD, QSG, HDD Screws	Power Adaptor (65W), AC Power Cord, Ethernet Cable, CD, QSG, HDD Screws

\*Performance depends on the testing environment

### NAS Software Features

	KD22	KD20
OS	Embedded Linux	Embedded Linux
Supported OS	Microsoft Windows XP and above, Mac OS and Linux	Microsoft Windows XP and above, Mac OS and Linux
Mobile Device Access	iPhone, iPad, Android phone, Android tablet	iPhone, iPad, Android phone, Android tablet
Supported Mobile OS	iOS 4.2 and above, Android 2.3 and above	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	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	IE 7.0 or later, Firefox 3 or later, Safari 3 or 4 and Google Chrome
Languages	11 (English, 繁體中文, 简体中文, 日本語, Deutsch, Français, Русский, Nederlands, Español, Italiano, Dansk)	11 (English, 繁體中文, 简体中文, 日本語, Deutsch, Français, Русский, Nederlands, Español, Italiano, Dansk)
File System	Internal : XFS External: EXT2, EXT3, XFS, NTFS, FAT, FAT32	Internal : XFS External: EXT2, EXT3, XFS, NTFS, FAT, FAT32
LAN Configuration	DHCP/Static IP Auto IP Hostname/Group name Samba Server (File sharing) DHCP client	DHCP/Static IP Auto IP Hostname/Group name Samba Server (File sharing) DHCP client
Networking Services	USB Storage devices sharing Printer Server iTunes Server Twonky DLNA Media Server Apple File Protocol [AFP] NTP for time synchronization FTP Server	USB Storage devices sharing Printer Server iTunes Server Twonky DLNA Media Server Apple File Protocol [AFP] NTP for time synchronization FTP Server
Backup	Quick Copy for USB Storage devices (USB Storages to NAS) Acronis Backup Software Time Machine support NAS to USB Storage backup NAS to NAS backup Memory card to NAS	Quick Copy for USB Storage devices (USB Storages to NAS) Acronis Backup Software Time Machine support NAS to USB Storage backup NAS to NAS backup Memory card to NAS
Scheduling	Schedule backup Schedule for NTP time synchronization	Schedule backup Schedule for NTP time synchronization
Remote Access	Remote Access by Internet Browser Remote Access by Smartphone Wake on Lan	Remote Access by Internet Browser Remote Access by Smartphone Wake on Lan
Disk Management	HDD Spin-down timer Single disk, Single disk expansion, RAID 0/1, JBOD Check Disk Disk usage status management Disk Format SMART information report Mail alert notification	HDD Spin-down timer Single disk, RAID 0/1, JBOD 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 Wizard and installer for easy setup	BT Download without PC (schedule download, tasks download, download configuration, etc.) Firmware upgrade Time-Zone Settings Wizard and installer for easy setup
System Setup/Tools	NAS Discovery tool (Finder to search/connect/map drives) Factory Reset System log Schedule on/off	NAS Discovery tool (Finder to search/connect/map drives) Factory Reset System log