







Product Overview



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Shuttle Product Overview

	XPC cube	XPC slim 3L	XPC slim 1L	XPC nano <1L	XPC aio
					
Socket LGA 1151 for Intel Core processors Gen. 7 "Kaby Lake"	<p>With ODD bay: SH110R4 – Open front SH170R6 – Drive doors</p> <p>Supports 4 hard disks: SZ270R8 – Classic front SZ270R9 – RGB front</p>	<p>With slim-line ODD bay: XH110 – Open front XH110V – with front doors</p> <p>Without ODD bay: XH110G – PCIe-16x slot XH270 – 4x 2.5" bay</p>	<p>Dual Display: DH110 – Standard DH110SE – Budget</p> <p>Triple Display: DH170 – Standard DQ170 – with Intel vPRO DH270 – 3x HDMI (1x v2.0)</p>		
Socket LGA 1151v2 for Intel Core processors Gen. 8 "Coffee Lake"	<p>With ODD bay: SH310R4 – New SH370R6 – New SH370R6 Plus – New</p> <p>Supports 4 hard disks: SH370R8 – May'19</p>	<p>Dual Display / ODD bay: New: XH310(R) – Open front XH310(R)V – Front doors</p>	<p>Dual Display: DH310 DH310V2 – May'19</p> <p>Triple Display: DH370 – New</p>		
Soldered SoC processor with fan			<p>Quad Display: DH02U-Series – 4x HDMI NVidia Geforce GTX1050</p>	<p>Intel Core ULV: NC03U-Series</p>	
Soldered SoC processor without fan 		<p>Celeron "Apollo Lake": XC60J – 8x COM-Port</p>	<p>Intel Core ULV: DS77U-Series – Standard DS68U – Win7-Support</p> <p>Triple-Display: DX30 – "Apollo Lake" CPU DL10J – "Gemini Lake" CPU</p>	<p>ARM-processor: NS02A – Standard NS02E – with PoE</p>	<p>All-in-One PC: X50V6-Series – 15.6" P20U – 11.6"</p>

Shuttle XPC cube

Configurable Barebone PCs in cube format for standard PC components

XPC cube Chassis Designs

R4



Customisable front design
Simply change the mylar and add a personal design such as a photo, graphics or a logo to the front panel.



LWH: 32.9 x 21.5 x 19.0 cm (13.4 L)

R6



Stylish drive doors
The drives and front panel connectors are elegantly hidden for superior style and visual appeal.



LWH: 33.2 x 21.5 x 19.0 cm (13.6 L)

R8



The storage wonder
Supports up to four 3.5" hard disks in RAID mode plus M.2-SSD cards.



LWH: 33.2 x 21.5 x 19.0 cm (13.6 L)

R9



High-End PC with RGB-LED
With turbo button to activate overclocking mode and configurable RGB-LED-lighting.



LWH: 34.8 x 21.5 x 19.0 cm (14.2 L)

All R-chassis



Spacious
The case has enough room for a dual-slot PCIe graphics card. The built-in 500 W power supply is ample to run current high-end graphics cards such as the Nvidia GeForce GTX 1080 (TI).

The **Power Supply Calculator** helps you determine which Shuttle power supply is right for your configuration:

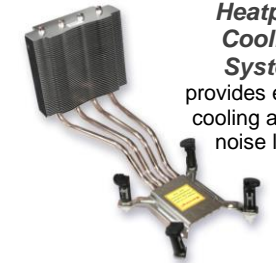
global.shuttle.com/support/power



Shuttle XPC cube

Configurable Barebone PCs in cube format for standard PC components

Shuttle I.C.E.
Heatpipe Cooling System provides efficient cooling at a low noise level



Optional Accessories:

COM port 	Dual 2.5" bay
H-RS232 for all models	PHD3 for all models

WLAN kit 	
WLN-P	WLN-M
for: SH170R6 SZ170R8	for: SH110R4 SZ170R8V2 SZ270R8/R9 SH370R6/R8

500 W power
PC63J for: SH110R4, SH170R6, SH310R4, SH370R6

For High-End Graphic Cards a 500 W power supply is required. Further info: global.shuttle.com/support/power

May'19			New		New	
Intel Core Gen 8 "Coffee Lake"			Supports Intel Core Gen 7 / Gen 6 "Kaby Lake" and "Skylake" processors A 6th Gen. "Skylake" processor is required for Windows 7.			
SH370R8 Supports four 3.5" hard disks	SH370R6 (Plus) With drive doors 300 or 500 W PSU	SH310R4 Customisable front design	SZ270R8 Supports four 3.5" hard disks	SZ270R9 Turbo Button and RGB-LED Front	SH170R6 With drive doors	SH110R4 Customisable front design
Intel H370 chipset Socket LGA1151v2	Intel H370 chipset Socket LGA1151v2	Intel H310 chipset Socket LGA1151v2	Intel Z270 chipset Socket LGA1151	Intel Z270 chipset Socket LGA1151	Intel H170 chipset Socket LGA1151	Intel H110 chipset Socket LGA1151
max. 4x 16 GB DDR4-2666 DIMM	max. 4x 16 GB DDR4-2666 DIMM	max. 2x 16 GB DDR4-2666 DIMM	max. 4x 16 GB DDR4-2400 DIMM	max. 4x 16 GB DDR4-2400 DIMM	max. 4x 16 GB DDR4-2400 DIMM	max. 2x 16 GB DDR4-2400 DIMM
PCIe X16 v3.0 PCIe X4 v3.0	PCIe X16 v3.0 PCIe X4 v3.0	PCIe X16 v3.0 PCIe X1 v2.0	PCIe X16 v3.0 PCIe X4 v3.0	PCIe X16 v3.0 PCIe X4 v3.0	PCIe X16 v3.0 PCIe X4 v3.0	PCIe X16 v3.0 PCIe X1 v2.0
4x 3.5" bay 1x M.2-2280 slot RAID support	1x 5.25" bay 2x 3.5" bay 1x M.2-2280 slot RAID support	1x 5.25" bay 2x 3.5" bay 1x M.2-2280 slot	4x 3.5" bay 2x M.2-2280 slot RAID & Optane support	4x 3.5" bay 2x M.2-2280 slot RAID & Optane support	1x 5.25" bay 2x 3.5" bay 1x M.2-2280 slot RAID support	1x 5.25" bay 2x 3.5" bay 1x M.2-2280 slot
1x HDMI 2.0a 2x DP 1.2 (Triple Display)	1x HDMI 2.0a 2x DP 1.2 (Triple Display)	1x HDMI 2.0a 1x DP 1.2 1x D-Sub/VGA (Dual Display)	1x HDMI 1.4b 2x DP 1.2 (Triple Display)	1x HDMI 1.4b 2x DP 1.2 (Triple Display)	1x HDMI 1.4b 2x DP 1.2 (Triple Display)	1x HDMI 1.4b 1x DP 1.2 1x D-Sub/VGA (Dual Display)
4x USB 3.1 (10 Mbps) 4x USB 3.0 (5 Mbps) 2x USB 2.0	4x USB 3.1 (10 Mbps) 4x USB 3.0 (5 Mbps) 4x USB 2.0	4x USB 3.0 4x USB 2.0	6x USB 3.0 4x USB 2.0	6x USB 3.0 4x USB 2.0	6x USB 3.0 2x USB 2.0	4x USB 3.0 4x USB 2.0
2x LAN (Intel)	1x LAN (Intel)	1x LAN (Intel)	2x LAN (Intel)	2x LAN (Intel)	1x LAN (Intel)	1x LAN (Intel)
500 W PSU	300 W / 500 W PSU	300 W power supply	500 W power supply	500 W power supply	300 W power supply	300 W power supply

Shuttle XPC slim – 3-litre

Supports Intel Core processors, TDP max. 65W					Intel Celeron J3355 Code name "Apollo Lake" Fanless cooling
New Socket LGA1151v2 Gen. 8 "Coffee Lake"		Socket LGA1151 – Supports 6th/7th Generation "Skylake" and "Kaby Lake." A 6th Gen. "Skylake" processor is required for Windows 7.			
XH310R / XH310RV	XH310 / XH310V	XH270	XH110 / XH110V	XH110G	XC60J
Dual LAN, Dual COM Without/with drive doors	Dual LAN, Dual COM Without/with drive doors	Supports 3 displays and 4 2.5" drives	Dual LAN, Dual COM Without/with drive doors	PCI Express Slot Including VESA mount	8x COM port, fanless
<p>For information: XH310R and XH310RV have the same technical specifications as XH310 and XH310V, but different chipset drivers are required.</p>	Intel H310 chipset	Intel H270 chipset	Intel H110 chipset	Intel H110 chipset	SOC processor
	max. 2x 16 GB DDR4-2666 SO-DIMM	max. 2x 16 GB DDR4-2400 SO-DIMM	max. 2x 16 GB DDR3L-1600 SO-DIMM	max. 2x 16 GB DDR4-2400 SO-DIMM	max. 2x 4 GB / 1x 8 GB DDR3L-1600 SO-DIMM
	Slimline ODD bay 2x 2.5" bay M.2-2280 slot	4x 2.5" bay (RAID) M.2-2280 slot	Slimline ODD bay 2x 2.5" bay M.2-2280 slot	1x 2.5" bay M.2-2280 slot Internal USB slot	1x 2.5"/3.5" bay M.2-2280 slot
	HDMI 2.0a DisplayPort 1.2 D-Sub/VGA	HDMI 1.4b DisplayPort 1.2 D-Sub/VGA	HDMI 1.4b DisplayPort 1.2	HDMI 1.4b D-Sub/VGA	HDMI 1.4b D-Sub/VGA
	4x USB 3.0 4x USB 2.0 2x LAN (Intel) 2x COM-Port	4x USB 3.0 4x USB 2.0 2x LAN (Intel) 1x COM port	4x USB 3.0 4x USB 2.0 2x LAN (Intel) 2x COM port	2x USB 3.0 6x USB 2.0 1x LAN (Intel)	2x USB 3.0 4x USB 2.0 1x LAN (Intel) 8x COM port
	90 W power supply	120 W power supply	90 W power supply	180 W power supply	65 W power supply

Optionales Zubehör:















	Stand	VESA mount	VGA port	3.5" kit	WLAN kit		Triple COM	ODD bay cover
Description								
Order No.	PS01	PV02	PVG01	PHD4	WLN-P	WLN-M	PCM31	MY01
Compatibility	all above models	all, but XH110G	XH110(V)	XH110(R)(V), XH170V, XH310(V)	XH170V	XH110x, XH270, XC60J, XH310(V)	XH310(R)	XH110(R)V, XH170V, XH310V









Shuttle XPC slim – 1-litre with fan



Approved for 24/7 permanent operation

Intel Core Gen 8 "Coffee Lake", max. 65W TDP		Supports Intel Core Gen 7 / Gen 6 "Kaby Lake" and "Skylake" processors, max. 65W TDP A 6th Gen. "Skylake" processor is required for Windows 7 .				
DH370 New	DH310(v2) New	DH270	DH170	DQ170	DH110	DH110SE
Triple Display (HDMI/2x DP)	Mainstream Version V2 = new front design	Triple Display via HDMI	Triple Display (HDMI/2x DP) DQ170: Intel vPro + TPM 2.0 Chip		Mainstream Version	Entry level
 	 	 	 	 	 	 
Intel H370 chipset	Intel H310 chipset	Intel H270 chipset	Intel H170	Intel Q170	Intel H110 chipset	Intel H110 chipset
max. 2x 16 GB DDR4-2666 SO-DIMM	max. 2x 16 GB DDR4-2666 SO-DIMM	max. 2x 16 GB DDR4-2400 SO-DIMM	max. 2x 16 GB DDR3L-1600 SO-DIMM		max. 2x 16 GB DDR3L-1600 SO-DIMM	max. 2x 16 GB DDR4-2400 SO-DIMM
1x 2,5" bay M.2-2280 slot SD card reader	1x 2,5" bay M.2-2280 slot SD card reader	1x 2.5" bay M.2-2280 slot SD card reader	1x 2.5" bay M.2-2260 slot SD card reader		1x 2.5" bay M.2-2260 slot SD card reader	1x 2.5" bay M.2-2260 slot SD card reader
HDMI 2.0a 2x DisplayPort 1.2	HDMI 2.0a DisplayPort 1.2	HDMI 2.0a 2x HDMI 1.4b	HDMI 1.4b 2x DisplayPort 1.2		HDMI 1.4b DisplayPort 1.2	HDMI 1.4b DisplayPort 1.2
4x USB 3.1 4x USB 3.0 2x LAN (Intel) 2x COM-port	4x USB 3.0 4x USB 2.0 2x LAN (Intel) 2x COM-port	3x USB 3.0 (1x type C) 4x USB 2.0 2x LAN (Intel) 2x COM port	4x USB 3.0 4x USB 2.0 2x LAN (Intel) 2x COM port		4x USB 3.0 3x USB 2.0 2x LAN (Intel) 2x COM port	2x USB 3.0 4x USB 2.0 1x LAN (Realtek)
VESA mount	VESA mount	VESA mount	VESA mount		VESA mount	optional only (PV04)

Optional Accessories:

Description	VGA port	Stand	VESA mount	Button cable	WLAN kit		Rack mount kit
							
Order No.	PVG01	PS02	PV04	CXP01	WLN-P	WLN-M	PRM01
Compatible with	all above models, but DH110SE	all above models	DH110SE	all above models	DH170 DQ170	DH110(SE) DH270 DH310/370	all above models

- 90W power adapter
- Connector for external power button
- Dimensions (LWH):
19 x 16.5 x 4.3 cm = 1.35L
- Operating temperature:
max. 50°C
- Heatpipe Cooling System

Shuttle XPC slim – 1-litre fanless

Up to 40 °C of operating temperature thanks to the fanless heatpipe cooling system.

VESA Mount included.

Optional connector for external power button (accessory CXP01).

Operating systems supported: **Windows 10 and Linux** (DS68U also Windows 7)



Fanless, quiet and virtually maintenance-free
Approved for 24/7 permanent operation

Intel Core ULV processor		Intel "Apollo Lake"	Intel "Gemini Lake"
DS77U-Serie	DS68U	DX30	DL10J
Triple-Display	Mit HDMI + VGA	Einsteiger-Version	DX30-Nachfolger
Kaby Lake-U (7. Gen.) DS77U: Intel Celeron 3865U DS77U3: Intel Core i3-7100U DS77U5: Intel Core i5-7200U DS77U7: Intel Core i7-7500U	Skylake-U (6. Gen.) Intel Celeron 3855U	Apollo Lake Intel Celeron J3355	Gemini Lake Intel Celeron J4005
max. 2x 16 GB DDR4-2133 SO-DIMM	max. 2x 16 GB DDR3L-1600 SO-DIMM	max. 2x 4 or 1x 8 GB DDR3L-1600/1866 SO-DIMM	max. 2x 4 or 1x 8 GB DDR4-2400 SO-DIMM
1x 2.5" bay M.2-2280 slot SD card reader	1x 2.5" bay M.2-2280 slot SD card reader	1x 2.5" bay M.2-2280 slot SD card reader	1x 2.5" bay M.2-2280 slot SD card reader
2x HDMI 1.4b DisplayPort 1.2 (DisplayPort without audio)	HDMI 1.4b D-Sub / VGA	HDMI 1.4b DisplayPort 1.2 optional: D-Sub/ VGA	HDMI 1.4b DisplayPort 1.2 D-Sub/ VGA
2x USB 3.0, 4x USB 2.0 2x LAN (Intel) 2x COM-Port		2x USB 3.0, 4x USB 2.0 1x LAN (Intel) 2x COM-Port, 1x PS/2	2x USB 3.0, 4x USB 2.0 1x LAN (Intel) 2x COM-Port
WLAN, internal antenna		WLAN, external antenna	
65 W power adapter		40 W power adapter	
Dimensions (LWH): 20 x 16,5 x 3,95 cm = 1,3 L		Dimensions (LWH): 19 x 16,5 x 4,3 cm = 1,35 L	

Optional Accessories:

VGA port	Stand	Button cable
PVG01	PS02	CXP01
for DX30	for DX30 and DL10J	for all models

LTE adapter w/o LTE module	LTE adapter with LTE module	Rack mount kit
WWN01	WWN11	PRM01
for DL10J	for DL10J	for all models

DS77U/DS68U:
Heatpipe cooling
without fan



DX30 / DL10J: Passive cooling (fanless)



Shuttle XPC slim – 1-litre with graphics card

Supports playback of **2160p/60 video** on **four Ultra-HD/4K displays** via **HDMI 2.0b**.
 A fan cooling ensures stable operating at an **ambient temperature of up to 50 °C**.
 Optional connector for **external power button** (accessory CXP01).
 Operating systems supported: **Windows 10 and Linux**
VESA Mount included.

Intel Core ULV CPU
DH02U Series

Quad UHD Display
 with NVIDIA graphics card



Kaby Lake-U (7. Gen.)

DH02U: Intel Celeron 3865U
DH02U5: Intel Core i5-7200U

NVIDIA GeForce GTX 1050

Mobile MXM 3.0 graphics card
 VRAM: 4 GB GDDR5 128-bit
 Supports four UHD displays

max. 2x 16 GB
 DDR4-2133 SO-DIMM

1x 2.5" bay
 M.2-2280 slot

4x HDMI 2.0b

4x USB 3.0, 2x USB 2.0
 1x LAN (Intel)
 1x COM port

120 W power adapter

19 x 16.5 x 4.3 cm = 1.35 L

GEFORCE
GTX 1050



MXM Graphics Card
 NVIDIA GeForce GTX 1050

Intel Core ULV Processor
 Intel Celeron or Core i5



Supports Quad UHD Display
 with 4x HDMI 2.0b

Optional Accessories:

WLAN kit	Stand	Button cable	Rack mount kit
WLN-M	PS02	CXP01	PRM01

Shuttle XPC nano – 0.8-litre with fan

NC03U Series



Kaby Lake-U (7. Gen.)

- NC03U:** Intel Celeron 3865U
- NC03U3:** Intel Core i3-7100U
- NC03U5:** Intel Core i5-7200U
- NC03U7:** Intel Core i7-7500U

Supports

Windows 10 and Linux

max. 2x 16 GB

DDR4-2133 SO-DIMM

1x 2.5" bay (up to 15 mm)

M.2-2280 slot

SD card reader

2x HDMI 1.4b

DisplayPort 1.2

2x USB 3.0 (1x type C)

2x USB 2.0

1x LAN (Intel)

1x COM port

WLAN, internal antenna

65 W power adapter

Dimensions (LWH):

14,2 x 14,2 x 4,2 cm = 847 ml

Max. ambient temperature: 40 °C

Operating Positions:

1. *Horizontal*
2. *Vertical with stand (COM port cannot be used)*
3. *VESA-mounted behind a monitor*

Stand and VESA mount with screws are included.



Approved for 24/7 permanent operation



Supports large-capacity 2.5" drives, e.g. 5 TB
(at 15 mm height)

Shuttle XPC nano – 0.6-litre fanless

Ideal for use as a Digital Signage Media Player

- ✓ Rockchip ARM processor
- ✓ Android operating system
- ✓ Shuttle Digital Signage Software
- ✓ Power-over-Ethernet (NS02E only)



NS02A	NS02E
Power supply via 24 W power adapter	Power supply via Power-over-Ethernet (PoE)
Processor: Rockchip RK3368 Octa Core ARM Cortex-A53, 64-Bit SoC, max. 1.5 GHz	
Operating system: Android 5.1.1 (Lollipop)	
Graphics engine: PowerVR SGX6110 up to 600 MHz Supports H.265 video playback at 4K@60fps	
2 GB RAM onboard 16 GB eMMC onboard	
Power Button, Power LED, HDD LED Connectors: HDMI 2.0, USB 2.0, RJ45 Gigabit LAN, Audio line-out 3.5 mm	
Wireless LAN 802.11n and Bluetooth 4.0	
Operating temperature: 0 ~ 40 °C Dimensions: 141 x 141 x 29 mm = 0.6-litre VESA mount (supports 75x75 and 100x100 mm)	



- ✓ Fanless, quiet and virtually maintenance-free
- ✓ Approved for 24/7 permanent operation



Shuttle Software included:

Shuttle DS Player
Installed on NS02A/E

Shuttle DS Creator
for your Android-, iOS- and Windows handset

Shuttle XPC aio – fanless All-in-One PCs

P20U

11.6" / 29.5 cm
Capacitive Multi Touch Screen
 Dimensions: 29.9 x 20.3 x 5.0 cm



Model	Intel ULV CPU	Colour
P20U	Celeron 3865U	Black

Optional Accessories

COM-Port	NFC-Kit
<p>H-RS232 1x COM (D-Sub) This accessory can be installed twice.</p>	<p>PNFC01 13.56 MHz NFC writer/reader module (Windows 10 only, not for payment)</p>

X50V6-Series

15.6" / 39.6 cm
Resistive Single Touch Screen
 Dimensions: 39.1 x 32.7 x 4.2 cm



Model	Intel ULV CPU	Colour
X50V6	Celeron 3865U	Black White
X50V6U3	Core i3-7100U	Black White

Optional Accessories

I/O Extension Kit	
<p>PCL71 1x LPT (parallel) 2x COM (D-Sub)</p>	<p>POS01 1x LPT (parallel) 2x COM (D-Sub) 2x COM (RJ45) 1x RJ11 for a cash drawer</p>



Touch Display



24/7 permanent operation



Fanless cooling system



Front panel IP54 protected



Supports VESA mounting



Up to four COM ports



Windows 10 and Linux



Always Power-on Jumper

Processor	Intel "Kaby-Lake-U" 14 nm ULV processor, Dual Core, TDP: 15W P20U, X50V6: Intel Celeron 3865U (1.8 GHz, 2 MB Cache) X50V6U3: Intel Core i3-7100U (2.4 GHz, 3 MB Cache)
Cooling	Heatpipe cooling system without fan Supports 40 °C ambient temperature Approved for 24/7 permanent operation
Touch Screen	LCD display with 1366 x 768 resolution P20U: 11.6" / 29.5 cm, capacitive 10-point multi-touch technology X50V6: 15.6" / 39.6 cm, resistive 5-wire single-touch technology IP54-compliant front panel (against dust and splashes of water)
OS	Supports Windows 10 and Linux operating systems (64-bit only)
RAM	Supports max. 2x 16 GB DDR4-2133 SO-DIMM
Storage	2.5" bay supports one SSD or hard disk drive (max. 9.5 mm) M.2-2280 slot supports SSD card with SATA or PCIe interface Internal USB type A connector SD card reader
Connectors and Network	Graphics: HDMI 1.4b, D-Sub / VGA USB: 2x USB 3.0, 4x USB 2.0 Network: Gigabit LAN (Intel), WLAN IEEE 802.11n, Bluetooth 4.1 Audio: 1x microphone input, 1x head-phones output P20U: 2x RS232 COM port (more I/O ports via optional accessory)
Integrated	Webcam, Speaker, Microphone
Power	65 W power adapter (DC-input supports 12V±5% or 19V±5%)
Other	Supports VESA mounting (100 x 100 mm) Always power-on jumper (JP7)

Shuttle XPC Systems – fixed configurations

Product-group	Product name	Colour	Based on Barebone-	Operating System	Intel Processors	Graphics	Optical Drive	Disk Drives	Memory	Serial Ports	VGA
XPC aio	POS P200	Black	P20U	–	Intel Celeron 3865U	Intel HD610	–	120GB SSD	4 GB	2	1
	P2000PA	Black	P20U	Win 10 IOT 64-bit [1]	Intel Celeron 3865U	Intel HD610	–	120GB SSD	4 GB	2	1
	X 5063TA	Black	X50V6U3	Win 10 Pro 64-bit [1]	Intel Core i3-7100U	Intel HD610	–	120 GB SSD	8 GB	2	1
	X 5063XA	Black	X50V6U3	–	Intel Core i3-7100U	Intel HD610	–	120 GB SSD	8 GB	–	1
	X 5060TA	Black	X50V6	Win 10 Home 64-bit [1]	Intel Celeron 3865U	Intel HD610	–	500 GB	4 GB	–	1
	X 5060XA	Black o. White	X50V6	–	Intel Celeron 3865U	Intel HD610	–	60 GB SSD	4 GB	–	1
	POS X506	Black o. White	X50V6	–	Intel Celeron 3865U	Intel HD610	–	60 GB SSD	4 GB	2	1
XPC slim (fanless)	DS6800XA	Black	DS68U	–	Intel Celeron 3855U	Intel HD510	–	120GB SSD	4 GB	2	1
	DX3000XA	Black	DX30	–	Intel Celeron J3355	Intel HD (Gen 9)	–	120GB SSD	4 GB	1 [2]	1 [2]
	DX3000EP	Black	DX30	Win 10 Pro Entry [1]	Intel Celeron J4005	Intel HD (Gen 9)	–	32GB SSD	4 GB	1 [2]	1 [2]
	DL1000XA	Black	DL10J	–	Intel Celeron J4005	Intel HD (Gen 9)	–	120GB SSD	4 GB	2	1
	DL1000EP	Black	DL10J	Win 10 Pro Entry [1]	Intel Celeron J4005	Intel HD (Gen 9)	–	32GB SSD	4 GB	2	1
XPC nano	NC 3000XA	Black	NC03U	–	Intel Celeron 3865	Intel HD610	–	120 GB SSD	4 GB	1	–
	NC 3000BA	Black	NC03U	Win 10 Pro 64-bit	Intel Celeron 3865	Intel HD610	–	32 GB SSD	4 GB	1	–
XPC slim (with fan)	D1100XA	Black	DH110	–	Intel Core i3-7100	Intel HD 630	–	120 GB SSD	4 GB	1	1
	D1150XP	Black	DH110SE	–	Intel Pent. G4560	Intel HD 610	–	128 GB SSD	4 GB	2	–
	D1150EP	Black	DH110SE	Win 10 Pro Entry	Intel Pent. G4560	Intel HD 610	–	32 GB SSD	4 GB	2	–

[1] Free 24-month **Pick-Up-and-Return service (PUR)** for Shuttle complete systems with Windows operating system (except UK).

Operating system available in German, English, French, Spanish, Italian, Dutch, Danish, Swedish and Finnish.

The above systems have a fixed configuration. Please use the **Shuttle Systems Configurator** at www.shuttle.eu/systems to compile individual configurations.

[2] This model comes with 1x VGA and 1x COM port. The VGA port can, however, be replaced by a second COM port using the supplied accessory.



Power Supply



Product	Output Wattage	Compatibility
PE90	90 W	XS35/XS36-series, DX30, DL10J, DS61, DS81, DS87, DH110(SE), DH170, DQ170, DH270, DH310(S), DH370, XH61(V), XH81(V), XH97V, XH110(V), XH170, XH310(V), DS47, DS407T, DS437(T), DS57U(x), DS67U(x), DS68U(x), DS77U(x), XC60J, NC01Ux, NC02Ux, NC03Ux, X50, X50V2 (Plus), X50V3(L), X50V4, X50V5(U3), X50V6(U3), P20U, KD20, KD21, KD22, KS10
PC55	450 W	Shuttle XPC cube SB81P, SB95P, SB95PV2, SD31P, SD37P2, SD39P2, SN25P, SN26P, SN27P2
PC45G	250 W (80+)	Shuttle XPC cube chassis D, K, G, G2, G5, G6 and the models ST61G4, but it is NOT compatible with SD11G5, SK83G, SN85G4, SN95G5, ST20G5
PC61J	300 W (80+)	SH87R6, SH81R4, SH97R6, SH170R6, SH110R4, SH67H3/H7, SN78SH7, SG45/SP45H7, SG41J1/J4, SH55J2, SH61R4
PC63J	500 W (80+)	SH370R6, SH310R4, SH87R6, SZ87R6, SH81R4, SH97R6, SH170R6, SZ170R8, SH110R4, SH67H3, SH67H7, SN78SH7, SG45H7, SP45H7, SX58H7(Pro), SG41J1/J4, SH55J2, SX58J3, SH61R4, SZ68R5, SZ77R5 und SX79R5

I/O Expansion



Product	Type	Connectors	Compatibility
H-RS232	Adapter cable	1x serial	SA76R4, SH67H3, SH67H7, SH61R4, SZ68R5, SZ77R5, SX79R5, SH81R4, SH87R6, SZ87R6, SH97R6, SH110R4, SH170R6, SZ170R8(V2), SZ270R8, SZ270R9, SH310R4, SH370R6, P20U
PCL71	Adapter card	2x serial, 1x parallel	Shuttle XPC aio (All-in-One) X50V4, X50V5, X50V6
POS01	Adapter card	4x ser., 1x par., 1x RJ11	Shuttle XPC aio (All-in-One) X50V4, X50V5 (RJ11 for cash drawer)
PVG01	VGA output	D-Sub 15-pin	DX30, DS81, DS87, DH110, DH170, DQ170, DH270, DH310, DH370, XH81(V), XH110(V)
PCM3(1)	Triple COM port	3x serial	PCM3 for XH81, PCM31 for XH310

VESA Kit & Stand



Product	Type	Material	Compatibility
PV01	VESA kit	Metal	Shuttle XPC slim XS35 series
PV02	VESA kit	Metal	XG41, XH61, XH61V, XH81, XH81V, XH97V, XH110, XH110V, XH170V, XH270, XH310, XH310V, XC60J
PV03	VESA kit	Metal	Shuttle XPC slim XS36 series
PV04	VESA kit	Metal	Shuttle XPC slim DH110SE
PS01	Vertical stand	Plastic	XG41, XH61(V), XH81(V), XH97V, XH110, XH110V, XH110G, XH170V, XH270, XH310(V), XC60J
PS02	Vertical stand	Metal	DX30, DL10J, DS61, DS81(L), DH110(SE), DH170, DQ170, DH270, DH310(S), DH370, DH02Ux
PRM01	Rackmount kit	Metal	Shuttle XPC slim DX30, DL10J, DH02Ux, DS61, DS81(L), DH110(SE), DH170, DQ170, DH270, DH310(S), DH370, DS47, DS407(T), DS437(T), DS57Ux, DS67Ux, DS77Ux

Other



Product	Type	Compatibility
PHD2	Supports 2.5" drive instead of optical drive	Shuttle XPC slim XS35 series
PHD3	Supports two 2.5" drives instead of the 3.5" bay	Shuttle XPC cube
PHD4	3.5" hard disk rack	Shuttle XPC slim XH81(V), XH97V, XH110(V), XH170V, XH310(V)
PF55	Carrying bag	Shuttle XPC aio (All-in-One) X50 series
WLN-P	WLAN 802.11ac kit with 2 antennas (Mini PCI-Express card)	SX79R5, SH87R6, SZ77R5, SZ68R5, SH67H3, SH67H7, SH61R4, SH81R4, SH97R6, SH170R6, SZ170R8, XG41, DS61, DS81, DS87, DH170, DQ170, XH61V, XH81(V), XH97V, XH170V
WLN-M	WLAN 802.11ac kit with 2 antennas (M.2-2230 card)	NC02Ux, NC03Ux, DH110(SE), DH270, DH310(S), DH370, XH110(V), XH110G, XH270, XH310(V), XC60J, DX30, DL10J, DH02Ux, SH110R4, SZ170R8V2, SZ270R8/R9, SH310R4, SH370R6 (Plus)
WWN01/11	LTE adapter without/with LTE module	DL10J



Overview: Intel Core Desktop Processors LGA1151(v2)

Socket LGA1151, 100/200-series chipset

Shuttle products:

- Shuttle XPC cube SH110R4, SH170R6 (Plus), SZ170R8(V2), SZ270R8/R9
- Shuttle XPC slim 3 litre: XH110(V), XH110G, XH170V, XH270 (supports max. 65 W TDP)
- Shuttle XPC slim 1 litre: DH110(SE), DH170, DQ170, DH270 (supports max. 65 W TDP)

6th Generation “Skylake-S”

Name	Model	Cores/Threads	CPU Clock [GHz]	Turbo Clock [GHz]	Cache [MB]	TDP [W]
Core i7	6700K	4 / 8	4.0	4.2	8	91
	6700	4 / 8	3.4	4.0	8	65
	6700T	4 / 8	2.8	3.6	8	35
Core i5	6600K	4 / 4	3.5	3.9	6	91
	6600	4 / 4	3.3	3.9	6	65
	6600T	4 / 4	2.7	3.5	6	35
	6500	4 / 4	3.2	3.6	6	65
	6500T	4 / 4	2.5	3.1	6	35
	6400	4 / 4	2.7	3.3	6	65
Core i3	6400T	4 / 4	2.2	2.8	6	35
	6320	2 / 4	3.9	-	4	65
	6300	2 / 4	3.8	-	4	65
	6300T	2 / 4	3.3	-	4	35
	6100	2 / 4	3.7	-	4	65
Pentium	6100T	2 / 4	3.2	-	4	35
	G4520	2 / 2	3.6	-	3	51
	G4500	2 / 2	3.5	-	3	51
	G4500T	2 / 2	3.0	-	3	35
	G4400	2 / 2	3.3	-	3	51
Celeron	G4400T	2 / 2	2.9	-	3	35
	G3920	2 / 2	2.9	-	2	51
	G3900	2 / 2	2.8	-	2	51
	G3900T	2 / 2	2.6	-	2	35

K = unlocked, T = Power optimized lifestyle

7th Generation “Kaby Lake-S”

Name	Model	Cores/Threads	CPU Clock [GHz]	Turbo Clock [GHz]	Cache [MB]	TDP [W]
Core i7	7700K	4 / 8	4.2	4.5	8	91
	7700	4 / 8	3.6	4.2	8	65
	7700T	4 / 8	2.9	3.8	8	35
Core i5	7600K	4 / 4	3.8	4.2	6	91
	7600	4 / 4	3.5	4.1	6	65
	7600T	4 / 4	2.8	3.7	6	35
	7500	4 / 4	3.4	3.8	6	65
	7500T	4 / 4	2.7	3.3	6	35
	7400	4 / 4	3.0	3.5	6	65
Core i3	7400T	4 / 4	2.4	3.0	6	35
	7350K	2 / 4	4.2	-	4	60
	7320	2 / 4	4.1	-	4	51
	7300	2 / 4	4.0	-	4	51
	7300T	2 / 4	3.5	-	4	35
	7101E	2 / 4	3.9	-	3	54
	7101TE	2 / 4	3.4	-	3	35
Pentium	7100	2 / 4	3.9	-	3	51
	7100T	2 / 4	3.4	-	3	35
	G4620	2 / 4	3.7	-	3	51
	G4600	2 / 4	3.6	-	3	51
	G4600T	2 / 4	3.0	-	3	35
Celeron	G4560	2 / 4	3.5	-	3	54
	G4560T	2 / 4	2.9	-	3	35
	G3950	2 / 2	3.0	-	2	51
Celeron	G3930	2 / 2	2.9	-	2	51
	G3930T	2 / 2	2.7	-	2	35

Socket LGA1151v2, 300-series chipset

Shuttle products:

- Shuttle XPC cube SH310R4, SH370R6 (Plus), SH370R8
- Shuttle XPC slim 3 litre: XH310(R)(V) (max. 65 W TDP)
- Shuttle XPC slim 1 litre: DH310, DH370 (max. 65 W TDP)

8th / 9th Generation “Coffee Lake-S/R”

Name	Model	Cores/Threads	CPU Clock [GHz]	Turbo Clock [GHz]	Cache [MB]	TDP [W]
Core i9	9900K	8 / 16	3.6	5.0	16	95
	9700K	8 / 8	3.6	4.9	12	95
Core i7	8700K	6 / 12	3.7	4.7	12	95
	8700	6 / 12	3.2	4.6	12	65
	8700T	6 / 12	2.4	4.0	12	35
Core i5	9600K	6 / 6	3.7	4.6	9	95
	8600K	6 / 6	3.6	4.3	9	95
	8600	6 / 6	3.1	4.3	9	65
	8600T	6 / 6	2.3	3.7	9	35
	8500	6 / 6	3.0	4.1	9	65
	8500T	6 / 6	2.1	3.5	9	35
	8400	6 / 6	2.8	4.0	9	65
	8400B	6 / 6	2.8	4.0	9	65
	8400T	6 / 6	1.7	3.3	9	35
	8350K	4 / 4	4.0	-	8	91
Core i3	8300	4 / 4	3.7	-	8	62
	8300T	4 / 4	3.2	-	8	35
	8100	4 / 4	3.6	-	6	65
	8100T	4 / 4	3.1	-	6	35
Pentium Gold	G5600	2 / 4	3.9	-	4	51
	G5500	2 / 4	3.8	-	4	51
	G5500T	2 / 4	3.2	-	4	35
	G5400	2 / 4	3.7	-	4	51
	G5400T	2 / 4	3.1	-	4	35
Celeron	G4920	2 / 2	3.2	-	2	54
	G4900	2 / 2	3.1	-	2	54
	G4900T	2 / 2	2.9	-	2	35

Note: only SZ170R8(V) and SZ270R8/R9 support the unlock-function of Intel K-Series processors (e.g. Intel Core i7-7700K). SH370R6 (Plus) requires BIOS version SH370000.105 or higher to support the latest Intel Core Gen. 9 processors (9000 series). Please refer to the support list for detailed processor support information at global.shuttle.com. Shuttle does not give guarantee on completeness and correctness of the above information.



Category		Product name	Description	Shuttle order no.	UPC / EAN Code
XPC cube	System	R8 1710GA	SZ170R8, NVidia GeForce GTX 980 or GTX 1080, 2 TB HDD, 256 GB SSD, 8 GB DDR4, Win. 10 Home	PCT-R8171GA1	4046047103041
	Barebone	SH370R8	LGA1151v2, H370 chipset, 500 W, R8 chassis	PC-SH370R811	TBA
		SH370R6 Plus	LGA1151v2, H370 chipset, 500 W, R6 chassis	PC-SH370R621	887993001548
		SH370R6	LGA1151v2, H370 chipset, 300 W, R6 chassis	PC-SH370R611	887993001524
		SH310R4	LGA1151v2, H310 chipset, 300 W, R4 chassis	PC-SH310R411	887993001593
		SZ270R9	Same as SZ270R8, but with LED front and OC button	PC-SZ270R911	887993001364
		SZ270R8	LGA1151, Z270 chipset, 500 W, 2x LAN, 2x M.2-2280	PC-SZ270R811	887993001234
		SZ170R8V2	LGA1151, Z170 chipset, 500 W, 2x LAN, 1x M.2-2280	PC-SZ170R821	887993000794
		SZ170R8	LGA1151, Z170 chipset, 500 W, 1x LAN, 1x M.2-2280	PC-SZ170R811	887993000619
		SH170R6 Plus	LGA1151, H170 chipset, 500 W	PC-SH170R621	887993000756
		SH170R6	LGA1151, H170 chipset, 300 W	PC-SH170R611	887993000435
		SH110R4	LGA1151, H110 chipset, 300 W	PC-SH170R611	887993000671
	Accessories	PC55	450 W power supply	PCZ-PC55	811686005148
		PC60	300 W 80+ power supply	PCZ-PC600	811686005223
		PC63	500 W 80+ power supply	PCZ-PC630	811686005254
		PC61J	300 W 80+ power supply	POC-PC61J	811686005438
		PC63J	500 W 80+ power supply	POC-PC63J POC-PC63J1	811686005445 887993800073
		PC45G	250 W 80+ power supply	POC-PC45G01	4046047102860
		PM65	Heatpipe for SG41 series	PCZ-PM65	811686005308
		H-RS232	Serial port	POC-PC0701	4046047102358
		PHD3	3.5" to 2.5" bay HDD rack for all XPCs	POC-PHD3	811686005544
		WLN-P	WLAN 802.11ac kit, Mini-PCIe, 2 antennas	POZ-WLNP01	887993800028
		WLN-M	WLAN 802.11ac kit, M2-2230, 2 antennas	POZ-WLNM01	887993800035



Category		Product name	Description	Shuttle order no.	UPC / EAN Code
XPC aio	Barebone	X50V6 (Black)	Celeron 3865U, 15.6", fanless, IP54 Front	PAB-X50V602	887993001203
		X50V6 (White)		PAB-X50V601	887993001227
		X50V6U3 (Black)	Core i3-7100U, 15.6", fanless, IP54 Front	PAB-X50V6U302	887993001074
		X50V6U3 (White)		PAB-X50V6U301	887993001098
	System	P20U (Black)	Celeron 3865U, 11.6", fanless, IP54 Front	PAB-P20U001	887993001470
		X 5060TA (Black)	X50V6, 4 GB, 500 GB, Windows 10 Home 64-Bit	PAT-X0506TA2	4046047103232
		X 5060XA (Black)	X50V6, 4 GB, 500 GB	PAC-X50V602	4046047103249
		X 5060XA (White)	X50V6, 4 GB, 500 GB	PAC-X50V601	4046047103256
		POS X506 (Black)	X50V6, 4 GB, 60 GB SSD, 2x COM, 1x LPT	PAC-X506POS2	4046047103263
		POS X506 (White)	X50V6, 4 GB, 60 GB SSD, 2x COM, 1x LPT	PAC-X506POS1	4046047103270
		POS P200	P20U, 4 GB, 120 GB SSD, 2x COM	PAC-P200POS2	4046047103355
		P2000PA	P20U, 4 GB, 120 GB SSD, 2x COM, Win 10 IOT	PAL-P0200PA2	4046047103348
	Accessories	PCL68	2x COM, 1x LPT for X50V2 Plus	POA-PCL68	811686005476
		PCL69	2x COM, 1x LPT for X50V3	POA-PCL69	811686005551
		PCL70	2x COM, 1x LPT for X70S und X70M	POA-PCL70	811686005650
		PCL71	2x COM, 1x LPT for X50V4	POA-PCL71	887993800011
		POS01	4x COM, 1x LPT, 1x DIO (RJ11) for X50V4	POA-POS01	887993800004
		PF55	Carrying bag for X50 series	PCZ-PF550	811686005285



Category		Product name	Description	Shuttle order no.	UPC / EAN Code	
XPC slim (with fan)	Barebone LGA1151v2	XH310 XH310R	3L, H310, 2x LAN, 2x COM, HDMI 2.0, DP, VGA, with drive doors	PIB-XH31011 PIB-XH310R11	887993001562 887993001630	
		XH310V XH310RV	3L, H310, 2x LAN, 2x COM, HDMI 2.0, DP, VGA, open front	PIB-XH310V11 PIB-XH310RV11	887993001555 887993001623	
		DH370	1L, H370, 2x LAN, 2x COM, 4x USB 3.0, HDMI 2.0, 2x DP	PIB-DH370001	887993001609	
		DH310V2	1L, H310, 2x LAN, 2x COM, 4x USB 3.0, HDMI 2.0, DP	PIB-DH310011	887993001753	
		DH310	1L, H310, 2x LAN, 2x COM, 4x USB 3.0, HDMI 2.0, DP	PIB-DH310001	887993001517	
		DH310S	1L, H310, 1x LAN, 0x COM, 4x USB 3.0, HDMI 1.4, DP	PIB-DH310S001	887993001708	
		XH270	3L, H270, 2x LAN, 1x COM, HDMI, DP, VGA, 4x 2.5" bay	PIB-DH27011	887993001340	
		XH170V	3L, H270, 1x LAN, 1x COM, HDMI, 2x DP, with drive doors	PIB-XH170V11	887993000442	
	Barebone LGA1151	XH110G	3L, H110, 1x LAN, HDMI, VGA, PCIe slot	PIB-XH110G01	887993001265	
		XH110	3L, H110, 2x LAN, 2x COM, HDMI, DP, with drive doors	PIB-XH11011	887993000664	
		XH110V	3L, H110, 2x LAN, 2x COM, HDMI, DP, open front	PIB-XH110V11	887993000633	
		DH270	1L, H270, 2x LAN, 2x COM, 3x HDMI (1x HDMI 2.0)	PIB-DH270001	887993001319	
		DH170	1L, H170, 2x LAN, 2x COM, 4x USB 3.0, HDMI, 2x DP	PIB-DH17001	887993000428	
		DQ170	Similar to DH170, but with vPRO function and H/W TPM module	PIB-DQ17001	887993000879	
		DH110	1L, H110, 2x LAN, 2x COM, 4x USB 3.0, HDMI, DP	PIB-DH110001	887993000640	
		DH110SE	1L, H110, 1x LAN, 2x USB 3.0, HDMI, DP	PIB-DH110SE001	887993000916	
		System	D1100XA	DH110, Core i3-7100, 4 GB RAM, 120 GB SSD	PIC-DH110001	4046047103294
		Accessories	PHD4	3.5" hard disk kit for XH81, XH81V and XH97V	POI-PHD4	811686005827
	PV02		VESA mount for XG41, XH61, XH61V, XH81, XH81V	POI-PV02	811686005537	
	PV04		VESA mount for DH110SE	POI-PV04	4046047103171	
	PS01		Vertical stand for XG41, XH61, XH61V, XH81, XH81V	POI-PS01	811686005520	
	PS02		Vertical stand for DX30, DS61, DS81(L), DH110(SE), DH/DQ170	POI-PS02	4046047103164	
	PRM01		Rackmount Installation Kit for two Shuttle XPC slim PCs	POZ-PRM01	4046047103225	
	WLN-P		WLAN 802.11ac kit, Mini-PCIe, 2 antennas	POZ-WLNP01	887993800028	
	WLN-M		WLAN 802.11ac kit, M2-2230, 2 antennas	POZ-WLNM01	887993800035	
	PCM31		Triple RS232 COM port	POI-PCM31	887993800257	
	PVG01		VGA port adapter	POI-PVG01	811686005735	



Category		Product name	Description	Shuttle order no.	UPC / EAN Code
XPC slim Intel Entry-CPU (fanless)	Barebone	DX30	Celeron J3355 "Apollo Lake"	PEB-DX30001	887993001005
		DL10J	Celeron J4005 "Gemini Lake"	PEB-DL10J001	887993001166
	System	DX3000XA	DX30, 120GB SSD, 4 GB	PEC-DX30001	4046047103201
		DX3000EP	DX30, 32 GB SSD, 4 GB, Windows 10 Pro Entry	PED-DX300EP1	4046047103195
		DL1000XA	DL10J, 120GB SSD, 4 GB	PEC-DL10J001	4046047103379
		DL1000EP	DX DL10J 30, 32 GB SSD, 4 GB, Windows 10 Pro Entry	PED-DL100EP1	4046047103386
	Accessory	WWN01	LTE adapter without LTE module for DL10J	POE-WWN01	887993800233
		WWN11	LTE adapter plus LTE module for DL10J	POE-WWN11	4046047103393
XPC slim Intel ULV CPU (fanless)	Barebone	DS77U	Celeron 3865U, fanless, 2x HDMI+DisplayPort, COM-Ports	PEB-DS77U001	887993001166
		DS77U3	Core i3-7100U, fanless, 2x HDMI+DisplayPort, COM-Ports	PEB-DS77U301	887993001036
		DS77U5	Core i5-7200U, fanless, 2x HDMI+DisplayPort, COM-Ports	PEB-DS77U501	887993001173
		DS77U7	Core i7-7550U, fanless, 2x HDMI+DisplayPort, COM-Ports	PEB-DS77U701	887993001180
		DS68U	Celeron 3855U, fanless, HDMI+DisplayPort, COM-Ports	PEB-DS68U001	887993000800
	System	DS6800XA	DS68U, Celeron 3855U, 4GB, 120GB SSD	PEC-DS68U001	4046047103140
		DS6800BA	DS68U, Celeron 3855U, 4GB, 120GB SSD, Win 7 Prof.	PET-DS680BA1	4046047103157
XPC slim Intel ULV-CPU (with fan)	Barebone	DH02U	Celeron 3865U, NVidia GTX 1050, 4x HDMI 2.0b	PIB-DH02U001	887993001432
		DH02U3	Core i3-7100U, NVidia GTX 1050, 4x HDMI 2.0b	PIB-DH02U301	887993001449
		DH02U5	Core i5-7200U, NVidia GTX 1050, 4x HDMI 2.0b	PIB-DH02U501	887993001456
		DH02U7	Core i7-7550U, NVidia GTX 1050, 4x HDMI 2.0b	PIB-DH02U701	887993001463

Category		Product name	Description	Shuttle order no.	UPC / EAN Code
XPC nano Intel ULV CPU (with fan)	Barebone	NC03U	Celeron 3865U, HDMI+DisplayPort, COM-Port	PFB-NC03U001	887993001135
		NC03U3	Core i3-7100U, HDMI+DisplayPort, COM-Port	PFB-NC03U301	887993001067
		NC03U5	Core i5-7200U, HDMI+DisplayPort, COM-Port	PFB-NC03U501	887993001142
		NC03U7	Core i7-7500U, HDMI+DisplayPort, COM-Port	PFB-NC03U701	887993001159
	System	NC3000XA	NC03U, Celeron 3865U, 4 GB RAM, 32 GB SSD	PFC-NC03U001	4046047103300
		NC3000BA	NC03U, Celeron 3865U, 4 GB RAM, 32 GB SSD, Win 10 Pro	PFD-NC03U001	4046047103287
XPC nano (fanless)	Barebone	NS02A	Rockchip RK3368, 2 GB RAM, 16 GB Flash	PFB-NS02A001	887993800536
		NS02E	Rockchip RK3368, 2 GB RAM, 16 GB Flash, PoE	PFB-NS02E001	887993800543