

## Product Overview



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# Shuttle Product Overview

	XPC cube	XPC slim 3L	XPC slim 1L	XPC nano/edge <1L	XPC aio
Socket LGA 1151 for Intel Core processors Gen. 7 "Kaby Lake"	<p><b>With ODD bay:</b> SH170R6 – Drive doors</p> <p><b>Supports 4 hard disks:</b> SZ270R8 – Classic front SZ270R9 – RGB front</p>	<p><b>With slim-line ODD bay:</b> XH110V – with front doors</p> <p><b>Without ODD bay:</b> XH110G – PCIe-16x slot XH270 – 4x 2.5" bay</p>			
Socket LGA 1151v2 for Intel Core processors Gen. 8 and Gen. 9 "Coffee Lake"	<p><b>With ODD bay:</b> SH310R4V2 – Open front SH370R6V2 – front doors SH370R6V2 Plus</p> <p><b>Supports 4 hard disks:</b> SH370R8</p>	<p><b>Dual Display / ODD bay:</b> XH310R – Open front XH310RV – Front doors</p> <p>XH310R supports up to five COM ports.</p>	<p><b>Dual Display:</b> DH310S – Budget DH310V2</p> <p><b>Triple Display:</b> DH370</p>		
Soldered SoC processor with fan			<p><b>Quad Display:</b> DH02U-Series – 4x HDMI NVIDIA GeForce GTX1050</p>	<p><b>Intel Core ULV (nano PC):</b> NC10U-Series – <b>New</b> NC03U-Series</p>	
Soldered SoC processor without fan 			<p><b>Intel Core ULV:</b> DS10U-Series – <b>New</b> DS77U-Series – Standard DS68U – Win7-Support</p> <p><b>Intel "Gemini Lake" CPU:</b> DL10J – Triple Display</p>	<p><b>ARM-processor (nano PC):</b> NS02A – Standard NS02E – with PoE</p> <p><b>Q2'20:</b> <b>Intel processor (Edge PC):</b> EN01J3 – with Celeron CPU EN01J4 – with Pentium CPU</p>	<p><b>Bar-type DS Player</b> D230 – 23.1"/Android <b>Q2'20</b></p> <p><b>All-in-One PC:</b> P20U – 11.6" X50V6-Series – 15.6" P51U-Series – 15.6" <b>New</b> P90U-Series – 19.5" <b>New</b></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).

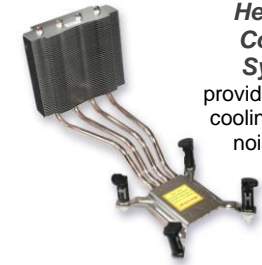
The **Power Supply Calculator** helps you determine which Shuttle power supply is right for your configuration:

[global.shuttle.com/support/power](http://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



Intel Core Gen 8 / Gen9 "Coffee Lake (Refresh)"			Supports Intel Core Gen 7 / Gen 6 "Kaby Lake" and "Skylake" processors		
<b>SH370R8</b>	<b>SH370R6V2</b> <b>SH370R6V2 Plus</b>	<b>SH310R4V2</b>	<b>SZ270R8</b>	<b>SZ270R9</b>	<b>SH170R6</b>
Supports four 3.5" hard disks	With drive doors 300 or <b>500 W</b> PSU	Customisable front design	Supports four 3.5" hard disks	Turbo Button and RGB-LED Front	With drive doors
Intel H370 chipset Socket LGA1151v2 max. 4x 32 GB DDR4-2666 DIMM PCIe X16 v3.0 PCIe X4 v3.0	Intel H370 chipset Socket LGA1151v2 max. 4x 32 GB DDR4-2666 DIMM PCIe X16 v3.0 PCIe X4 v3.0	Intel H310 chipset Socket LGA1151v2 max. 2x 32 GB DDR4-2666 DIMM PCIe X16 v3.0 PCIe X1 v2.0	Intel Z270 chipset Socket LGA1151 max. 4x 32 GB DDR4-2400 DIMM PCIe X16 v3.0 PCIe X4 v3.0	Intel Z270 chipset Socket LGA1151 max. 4x 32 GB DDR4-2400 DIMM PCIe X16 v3.0 PCIe X4 v3.0	Intel H170 chipset Socket LGA1151 max. 4x 32 GB DDR4-2400 DIMM PCIe X16 v3.0 PCIe X4 v3.0
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 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)
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
2x LAN (Intel) 500 W PSU	2x LAN (Intel) 300 W / <b>500 W</b> PSU	1x LAN (Intel) 300 W power supply	2x LAN (Intel) 500 W power supply	2x LAN (Intel) 500 W power supply	1x LAN (Intel) 300 W power supply

### Optional Accessories:

<b>COM port</b>	<b>Dual 2.5" bay</b>
<b>H-RS232</b>	<b>PHD3</b>
for all models	for all models

<b>WLAN kit</b>
<b>WLN-M</b>
for: SH110R4 SZ170R8V2 SZ270R8/R9 SH370R6/R8

<b>500 W power</b>
<b>PC63J</b>
for: SH110R4, SH170R6, SH310R4, SH370R6

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

## Shuttle XPC slim – 3-litre

Supports Intel Core processors, TDP max. 65W			
Socket LGA1151v2 Gen. 8 / 9 "Coffee Lake"	Socket LGA1151 – Supports 6th/7th Generation "Skylake" and "Kaby Lake". A 6th Gen. "Skylake" processor is required for <b>Windows 7</b> .		
XH310R / XH310RV	XH270	XH110V	XH110G
Dual LAN, Dual COM Without/with drive doors	Supports 3 displays and Four 2.5" drives	Dual LAN, Dual COM With drive doors	PCI Express Slot Including VESA mount
Intel H310 chipset	Intel H270 chipset	Intel H110 chipset	Intel H110 chipset
max. 2x 32 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
Slimline ODD bay 2x 2.5" bay M.2-2280 slot	<b>4x 2.5" bay (RAID)</b> M.2-2280 slot	Slimline ODD bay 2x 2.5" bay M.2-2280 slot	1x PCIe X16 slot 1x 2.5" bay, M.2-2280 slot Internal USB slot
<b>HDMI 2.0a</b> 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
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)
90 W power supply	120 W power supply	90 W power supply	180 W power supply

### Optionales Zubehör:

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







### Heatpipe Cooling



# Shuttle XPC slim – 1-litre with fan


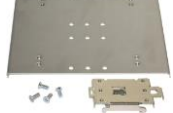


Approved for 24/7 permanent operation

Intel Core Gen 8 / Gen 9 "Coffee Lake (Refresh)", max. 65W TDP		
DH370	DH310V2	DH310S
<b>Triple Display</b> (HDMI/2x DP)	<b>Mainstream Version</b> V2 = new front design	<b>Entry level</b>
 	 	 
Intel H370 chipset max. 2x 32 GB DDR4-2666 SO-DIMM	Intel H310 chipset max. 2x 32 GB DDR4-2666 SO-DIMM	Intel H310 chipset max. 2x 32 GB DDR4-2666 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
<b>HDMI 2.0a</b> 2x DisplayPort 1.2	<b>HDMI 2.0a</b> DisplayPort 1.2	HDMI 1.4b DisplayPort 1.2
<b>4x USB 3.1 Gen 2</b> 4x USB 3.0 2x LAN (Intel) 2x COM-port VESA mount	4x USB 3.0 4x USB 2.0 2x LAN (Intel) 2x COM-port VESA mount	4x USB 3.0 (1x Type-C) 4x USB 2.0 1x LAN (Realtek) optional only (PV04)

- Supports Intel Core Desktop processors (LGA1151v2, max. 65W)
- 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

## Optional Accessories:

	VGA port	Stand	VESA mount	Button cable	WLAN kit	DIN-Rail Kit	Rack mount kit
Description							
Order No.	<b>PVG01</b>	<b>PS02</b>	<b>PV04</b>	<b>CXP01</b>	<b>WLN-M</b>	<b>DIR01</b>	<b>PRM01</b>
Compatible with	all above models	all above models	DH310S	all above models	all above models	all above models	all above models

# 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

<b>New Intel Core ULV processor (8<sup>th</sup> / 7<sup>th</sup> / 6<sup>th</sup> Generation)</b>			<b>Intel "Gemini Lake" DL10J</b>
<b>DS10U Series</b>	<b>DS77U Series</b>	<b>DS68U</b>	<b>DL10J</b>
<b>Triple-Display</b>	<b>Triple-Display</b>	<b>With HDMI + VGA</b>	<b>DX30-Successor</b>
<b>Whiskey Lake-U (8G)</b> <b>DS10U:</b> Celeron 4205U <b>DS10U3:</b> Core i3-8145U <b>DS10U5:</b> Core i5-8265U <b>DS10U7:</b> Core i7-8565U	<b>Kaby Lake-U (7. Gen.)</b> <b>DS77U:</b> Celeron 3865U <b>DS77U3:</b> Core i3-7100U <b>DS77U5:</b> Core i5-7200U <b>DS77U7:</b> Core i7-7500U	<b>Skylake-U (6. Gen.)</b> <b>DS68U:</b> Celeron 3855U	<b>Gemini Lake</b> Intel Celeron J4005
max. 2x 32 GB DDR4-2400 SO-DIMM	max. 2x 16 GB DDR4-2133 SO-DIMM	max. 2x 16 GB DDR3L-1600 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
HDMI 2.0a DisplayPort 1.2 D-Sub / VGA	2x HDMI 1.4b DisplayPort 1.2 (DisplayPort without audio)	HDMI 1.4b D-Sub / VGA	HDMI 1.4b DisplayPort 1.2 D-Sub/ VGA
4x USB 3.1 Gen 2 4x USB 2.0 2x LAN (Intel) 2x COM-Port	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
WLAN-ac, ext. antenna	WLAN-n, internal antenna		WLAN-n, 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:

Stand	Button cable		
<b>PS02</b> for DL10J	<b>CXP01</b> for all models		
LTE adapter w/o LTE module	LTE adapter with LTE module	LTE adapter w/o LTE module	
<b>WWN01</b> for DL10J	<b>WWN11</b> for DL10J	<b>WWN03</b> for DS10U	
COM Port	Rack mount kit	DIN-Rail Kit	
<b>PCP11</b> for DS10U	<b>PRM01</b> for all models	<b>DIR01</b> for all models	

**DS10U/DS77U/DS68U:**  
 Heatpipe cooling  
 without fan

**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



Supports Quad UHD Display  
 with 4x HDMI 2.0b

**Optional Accessories:**

WLAN kit	Stand	Button cable	Rack mount kit	DIN-Rail Kit
<b>WLN-M</b>	<b>PS02</b>	<b>CXP01</b>	<b>PRM01</b>	<b>DIR01</b>



# Shuttle XPC nano – 0.8-litre with fan

NC03U Series	NC10U Series <b>New!</b>
<p><b>Kaby Lake-U (7. Gen.)</b>  <b>NC03U:</b> Intel Celeron 3865U  <b>NC03U3:</b> Intel Core i3-7100U  <b>NC03U5:</b> Intel Core i5-7200U  <b>NC03U7:</b> Intel Core i7-7500U</p>	<p><b>Whiskey Lake-U (8. Gen.)</b>  <b>NC10U:</b> Intel Celeron 3865U *)  <b>NC10U3:</b> Intel Core i3-7100U  <b>NC10U5:</b> Intel Core i5-7200U  <b>NC10U7:</b> Intel Core i7-7500U</p>
Supports Windows 10 and Linux	Supports Windows 10 and Linux
max. 2x 16 GB DDR4-2133 SO-DIMM	max. 2x 32 GB DDR4-2133/2400 SO-DIMM *)
1x 2.5" bay (up to 15 mm) M.2-2280 slot SD card reader	1x 2.5" bay (up to 15 mm) M.2-2280 slot SD card reader
HDMI 1.4b DisplayPort 1.2	HDMI 2.0a DisplayPort 1.2
2x USB 3.1 Gen 1 (1x type C) 2x USB 2.0 1x LAN (Intel i211) 1x COM port	2x USB 3.1 Gen 1 (1x type C) 2x USB 2.0 1x LAN (Intel i211) 1x COM port
WLAN, internal antenna **)	WLAN, internal antenna **)
65 W power adapter	65 W power adapter
Dimensions (LWH): 14.2 x 14.2 x 4.2 cm = 847 ml	Dimensions (LWH): 14.2 x 14.2 x 4.2 cm = 847 ml
Max. ambient temperature: 40 °C	Max. ambient temperature: 40 °C

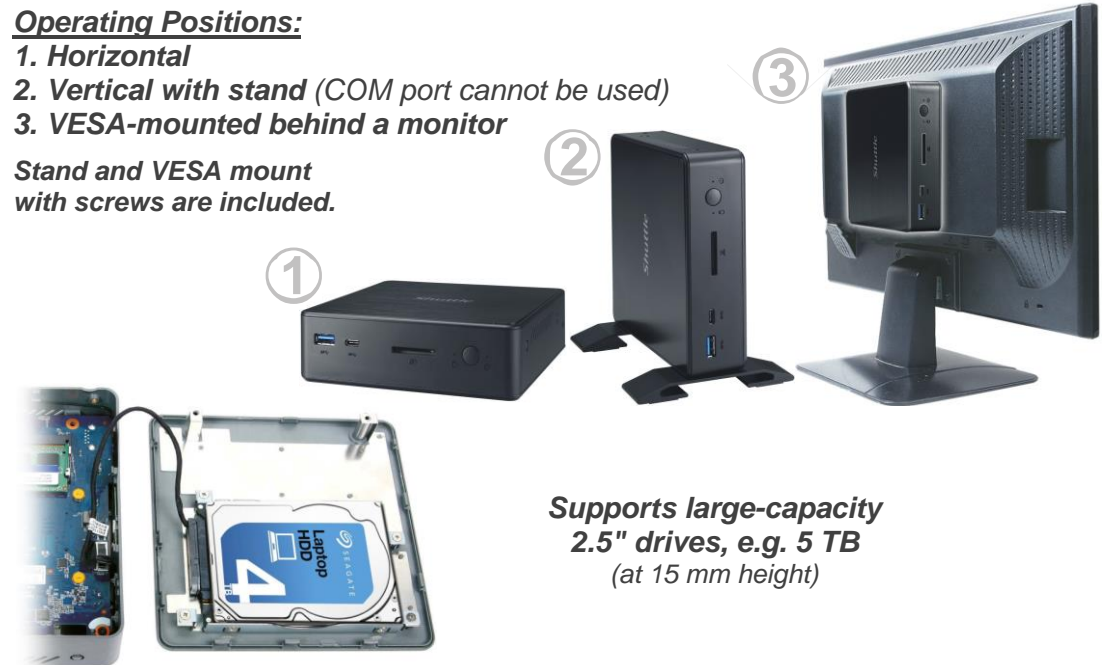


Approved for 24/7 permanent operation

### 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.



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

### Processor Overview

Shuttle Product	Processor model	Cores / Threads	Base Clock / Turbo	L3 Cache	Intel Graphics	EUs	max. GPU clock	TDP	Passmark CPU Mark
NC03U	Celeron 3865U	2 / 2	1.8 / - GHz	2 MB	HD 610	12	900 MHz	15 W	<b>1918</b>
NC03U3	Core i3-7100U	2 / 4	2.4 / - GHz	3 MB	HD 620	24	1000 MHz	15 W	<b>3758</b>
NC03U5	Core i5-7200U	2 / 4	2.5 / 3.1 GHz	3 MB	HD 620	24	1000 MHz	15 W	<b>4561</b>
NC03U7	Core i7-7500U	2 / 4	2.7 / 3.5 GHz	4 MB	HD 620	24	1050 MHz	15 W	<b>5119</b>
NC10U	Celeron 4205U	2 / 2	1.8 / - GHz	2 MB	HD 610	12	900 MHz	15 W	<b>1977</b>
NC10U3	Core i3-8145U	2 / 4	2.1 / 3.9 GHz	4 MB	HD 620	24	1000 MHz	15 W	<b>5483</b>
NC10U5	Core i5-8265U	4 / 8	1.6 / 3.9 GHz	6 MB	HD 620	24	1100 MHz	15 W	<b>8003</b>
NC10U7	Core i7-8565U	4 / 8	1.8 / 4.6 GHz	8 MB	HD 620	24	1150 MHz	15 W	<b>8817</b>

\*) Note: The NC10U with Celeron processor supports DDR4-2133, only!

\*\*\*) WLAN can be upgraded optionally with WLN-M (AC standard with two external antennas)

# Shuttle XPC nano – 0.6-litre fanless

## Ideal for use as a Digital Signage Media Player

- ✓ Rockchip ARM processor
- ✓ Android 8.1 operating system **Update!**
- ✓ Shuttle Digital Signage Software
- ✓ Power-over-Ethernet (NS02E only)



NS02A	NS02E
<b>Power supply via 24 W power adapter</b>	<b>Power supply via Power-over-Ethernet (PoE)</b>
Processor: Rockchip RK3368 Octa Core ARM Cortex-A53, 64-Bit SoC, max. 1.5 GHz	
Operating system: Android 8.1 (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 Edge PC

New in Q2'20

## Robust Industry PC with VESA/DIN-Rail mount

- ✓ Intel “Apollo Lake” Processor
- ✓ Fanless Industry PC in a robust metal chassis
- ✓ For DIN-Rail or VESA mounting
- ✓ Fanless, quiet and virtually maintenance-free
- ✓ Approved for 24/7 permanent operation at 50 °C
- ✓ Always-on function (no Power-on button)
- ✓ Various options: HDMI capturing, LTE function, Second LAN port with PoE



EN01J3	EN01J4
Intel Celeron J3355	Intel Pentium J4205
4 GB RAM	8 GB RAM
64 GB eMMC flash memory	
OS Support: Windows 10 and Linux (64-bit)	
I/O: HDMI 1.4b, 2x USB 3.2 Gen 1, Micro USB 2.0 Gigabit LAN (RJ45), Micro-SD card reader	
Slots: M.2-2242/3042 B-key, Nano-SIM slot	
Dimensions: 92.4 x 54.4 x 90 mm (LWH) = 450 ml	
DC-in: 12~19V by 2-pin Euroblock incl. adapter cable for 5.5/2.5 mm axial DC plug	
Operating temperature: 0~50 °C	







### Optional Accessories:

HDMI Capture Card with Adapter Cable	PoE Kit to power EN01x over LAN	PoE Kit to power other device over LAN	Two LTE antennas with cables	90 W Power Adapter
① MCAP01	② PD01	② PSE01	③ PLA01	④ PE90

# Shuttle XPC aio – fanless All-in-One PCs

New

New

P20U	X50V6 Series	P51U Series	P90U Series
11.6" 1366 x 768 capacitive multi-touch	15.6" 1366 x 768 resistive single-touch	15.6" 1920 x 1080 capacitive multi-touch	19.5" 1600 x 900 capacitive multi-touch
			
Black	Black & White	Black	Black & White
<b>Kaby Lake-U (7. Gen.)</b> P20U: Intel Celeron 3865U	<b>Kaby Lake-U (7. Gen.)</b> X50V6: Intel Celeron 3865U X50V6U3: Intel Core i3-7100U	<b>Whiskey-Lake-U (8. Gen.)</b> P51U: Intel Celeron 4205U P51U3: Intel Core i3-8145U	<b>Kaby Lake-U (7. Gen.)</b> P90U: Intel Celeron 3865U P90U3: Intel Core i3-7100U P90U5: Intel Core i5-7200U
29.9 x 20.3 x 5.0 cm	39.1 x 32.7 x 4.2 cm	39.3 x 27.3 x 4.0 cm	48.7 x 32.1 x 4.4 cm



Touch Display



24/7 permanent operation



Fanless cooling system



Front panel IP54 protected



Supports VESA mounting



Up to four COM ports



Always Power-on Jumper








Intel LAN chip



Windows 10 and Linux

## Optional Accessories:

Description	COM port (1 pcs. / 2 pcs.)	NFC Module	2x COM, LPT	4x COM, LPT, DIO	COM cable (D-Sub/RJ45)
					
Order No.	PCP11 / PCP21	PNFC01	PCL71	POS01	POR01
Compatible with	P20U	P20U	X50V6, P90U Series	X50V6, P90U Series	POS01

## Common features:

- Supports max. 2x 16 GB DDR4 SO-DIMM
- 2.5" bay supports one SSD or hard disk drive (max. 9.5 mm height)
- M.2-2280 slot supports SSD card with SATA or PCIe interface
- SD card reader, Webcam, Speaker, Microphone
- Graphics: HDMI 1.4b, D-Sub/VGA
- 2x USB 3.0, 4x USB 2.0 + 1x USB 2.0 internal
- 1x LAN (Intel), WLAN + Bluetooth, 2x Audio
- P20U & P51U: 2x RS232 COM port (default)
- 65 W power adapter  
DC-input supports 12V±5% or 19V±5%

# Shuttle XPC aio – Biometric Signage Solution

New in Q2'20



	D230 Standalone	D230 Server
	Access by App via WLAN	Access by Browser via Internet
Name of the mobile App	"D230 Mobile"	"D230 Tool"
Create Content	Mobile App supports Android v7.0+ / iOS v11.0+	Access via Web Browser interface
Store content on D230 SD card	Yes (≥Class 10 speed)	Ja (≥Class 10 speed)
Set "Identification Conditions" for each division	Only 1 set	1-+3 sets
Age for "Identification Conditions"	Young, Adult, Elderly	Every decade
Text Marquee	Landscape layout	Landscape layout (Portrait layout for Japanese and Chinese only)
Resume playback after error	—	Yes
Group Devices	—	Yes
Data Analysis (bar graph/pie chart)	—	Yes
D230 OTA image update	Yes (via USB drive)	Yes
Content management system for audience analysis	—	Yes (Linux Server required)

**Integrated Webcam and pre-installed Player Software detect gender and age of viewers to play dedicated advertisement.**

**Common features:**

- Robust housing with VESA support
- Front panel IP54 protected
- Dimensions: 603 x 75 x 29 mm (LWH)
- Operating position: horizontal or vertical
- Passive cooling (fanless)
- Display: 1920 x 158 pixels (12:2 ratio / 23.1")
- Contrast: 3000:1, Brightness: 400 nits
- ARM processor: Rockchip RK3399
- Android operating system v7.1
- RAM: 2 GB LPDDR4, Flash: 16 GB eMMC
- Network: LAN/PoE, WLAN, BT, optional LTE
- Other ports: USB 2.0, Line-Out
- Micro SD Card Reader, Webcam, Speaker
- External power adapter (24 W)
- Operating temperature: 0-40 °C



## Shuttle XPC Systems – fixed configurations

Product-group	Product name	Colour	Based on Barebone-	Operating System	Intel Processors	Graphics	Disk Drives	Memory	Serial Ports	VGA	Battery
XPC aio	POS P200	Black	P20U	–	Intel Celeron 3865U	Intel HD610	120 GB SSD	4 GB	2	1	–
	P2000PA	Black	P20U	Win 10 IOT 64-bit [1]t	Intel Celeron 3865U	Intel HD610	120 GB 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 HDD	4 GB	–	1	–
	X 5060XA	Black o. White	X50V6	–	Intel Celeron 3865U	Intel HD610	500 GB HDD	4 GB	–	1	–
	POS X506	Black o. White	X50V6	–	Intel Celeron 3865U	Intel HD610	120 GB SSD	4 GB	2	1	–
	POS P510	Black	P51U	–	Intel Celeron 4205U	Intel HD610	120 GB SSD	4 GB	2	1	–
	POS P511	Black	P51U	–	Intel Celeron 4205U	Intel HD610	120 GB SSD	4 GB	2	1	Yes
	P5100PA	Black	P51U	Win 10 IOT 64-Bit [1]t	Intel Celeron 4205U	Intel HD610	120 GB SSD	4 GB	2	1	–
	POS P900	Black	P90U	–	Intel Celeron 3865U	Intel HD610	120 GB SSD	4 GB	2	1	–
	P9000XA	Black	P90U	–	Intel Celeron 3865U	Intel HD610	500 GB HDD	4 GB	–	–	–
	P9000PA	Black	P90U	Win 10 IoT Enterprise	Intel Celeron 3865U	Intel HD610	120 GB SSD	4 GB	–	–	–
XPC slim (fanless)	DS6800XA	Black	DS68U	–	Intel Celeron 3855U	Intel HD510	120 GB SSD	4 GB	2	1	–
	POS DS100	Black	DS10U	–	Intel Celeron 4205U	Intel UHD610	120 GB SSD	4 GB	1	1	–
	POS DS100P	Black	DS10U	Win 10 IOT 64-Bit [1]t	Intel Celeron 4205U	Intel UHD610	120 GB SSD	4 GB	1	1	–
	DL1000XA	Black	DL10J	–	Intel Celeron J4005	Intel UHD600	120 GB SSD	4 GB	2	1	–
	DL1000EP	Black	DL10J	Win 10 Pro Entry [1]	Intel Celeron J4005	Intel UHD600	64 GB SSD	4 GB	2	1	–
XPC nano	NC 1010XA	Black	NC10U	–	Intel Celeron 4205U	Intel HD610	128 GB SSD	4 GB	1	–	–
	NC 1010BA	Black	NC10U	Win 10 Pro Entry [1]	Intel Celeron 4205U	Intel HD610	64 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	–

[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](http://www.shuttle.eu/systems) to compile individual configurations.



### 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, P90U, 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 <b>NOT</b> 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, P90U
POS01	Adapter card	4x ser., 1x par., 1x RJ11	Shuttle XPC aio (All-in-One) X50V4, X50V5, X50V6. P90U (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(R)(V), XC60J
PS02	Vertical stand	Metal	DX30, DL10J, DS61, DS81(L), DH110(SE), DH170, DQ170, DH270, DH310(S), DH370, DH02Ux
PRM01	Rackmount kit	Metal	DH02Ux, DH110, DH110SE, DH170, DH270, DH310, DH310S, DH310V2, DH370, DL10J, DQ170, DS10Ux, DS407(T), DS437(T), DS47, DS57Ux, DS61, DS67Ux, DS68U, DS77Ux, DS81, DS81L, DX30(V2)
DIR01	DIN-Rail kit	Metal	

### 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(R)(V)
PF55	Carrying bag	Shuttle XPC aio (All-in-One) X50 series
WLN-M	WLAN 802.11ac kit with 2 antennas (M.2-2230 card)	NC02Ux, NC03Ux, NC10Ux, DH110(SE), DH270, DH310(V2)(S), DH370, XH110(R)(V), XH110G, XH270, XH310@ (V), XC60J, DX30, DL10J, DH02Ux, SH110R4, SZ170R8V2, SZ270R8/R9, SH310R4(V2), SH370R6(V2)(Plus), SH370R8
WWN01/11	LTE adapter/4G antennas without/with LTE module	DL10J
WWN03	LTE-Adapter/4G antennas without LTE module	DS10U



## 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)

#### 6<sup>th</sup> 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
	6400T	4 / 4	2.2	2.8	6	35
Core i3	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
	6100T	2 / 4	3.2	-	4	35
Pentium	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
Celeron	G3900T	2 / 2	2.6	-	2	35

K = unlocked, T = Power optimized lifestyle, F = No Graphics

**Note:** only **SZ170R8(V)** and **SZ270R8/R9** support the unlock-function of Intel **K-Series** processors. Some products require updated BIOS version to support the latest **Intel Core Gen. 9 processors (9000 series)**. Processors with **“F” identifier (without graphics)** require a graphics card – this is only possible on XPCs with PCIe X16 slot. Please refer to the support list for detailed processor support information at [global.shuttle.com](http://global.shuttle.com). Shuttle does not give guarantee on completeness and correctness of the above information.

#### 7<sup>th</sup> 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
	7400T	4 / 4	2.4	3.0	6	35
Core i3	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
	7100	2 / 4	3.9	-	3	51
	7100T	2 / 4	3.4	-	3	35
	Pentium	G4620	2 / 4	3.7	-	3
G4600		2 / 4	3.6	-	3	51
G4600T		2 / 4	3.0	-	3	35
G4560		2 / 4	3.5	-	3	54
Celeron	G4560T	2 / 4	2.9	-	3	35
	G3950	2 / 2	3.0	-	2	51
	G3930	2 / 2	2.9	-	2	51
Celeron	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: DH3xx (max. 65 W TDP)

#### 8<sup>th</sup> / 9<sup>th</sup> Generation “Coffee Lake-S/R”

Name	Model	Cores/Threads	CPU Clock [GHz]	Turbo Clock [GHz]	Cache [MB]	TDP [W]
Core i9	9900K(F)	8 / 16	3.6	5.0	16	95
	9900	8 / 16	3.1	5.0	16	65
	9900T	8 / 16	2.1	4.4	16	35
Core i7	9700K(F)	8 / 8	3.6	4.9	12	95
	9700	8 / 8	3.0	4.7	12	65
	9700T	8 / 8	2.0	4.3	12	35
	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(F)	6 / 6	3.7	4.6	9
9400(F)		6 / 6	2.9	4.1	9	65
9400T		6 / 6	1.8	3.4	9	35
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
Core i3		9350K(F)	4 / 4	4.0	4.6	8
	8350K	4 / 4	4.0	-	8	91
	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
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
Celeron	G4900T	2 / 2	2.9	-	2	35





Category	Product name	Description	Shuttle order no.	UPC / EAN Code	
XPC cube	<b>System</b>	<b>R8 1710GA</b>	SZ170R8, NVidia GeForce GTX 980 or GTX 1080, 2 TB HDD, 256 GB SSD, 8 GB DDR4, Win. 10 Home	PCT-R8171GA1	4046047103041
	<b>Barebone</b>	<b>SH370R8</b>	LGA1151v2, H370 chipset, 500 W, R8 chassis	PC-SH370R811	TBA
		<b>SH370R6V2 Plus</b>	LGA1151v2, H370 Chip, 500 W, 2x LAN, R6 chassis	PC-SH370R641	887993001821
		<b>SH370R6 Plus</b>	LGA1151v2, H370 Chip, 500 W, 1x LAN, R6 chassis	PC-SH370R621	887993001548
		<b>SH370R6V2</b>	LGA1151v2, H370 Chip, 300 W, 2x LAN, R6 chassis	PC-SH370R631	887993001746
		<b>SH370R6</b>	LGA1151v2, H370 Chip, 300 W, 1x LAN, R6 chassis	PC-SH370R611	887993001524
		<b>SH310R4V2</b>	LGA1151v2, H310 Chipsatz, 300 W, R4 chassis	PC-SH310R421	887993001647
		<b>SH310R4</b>	LGA1151v2, H310 chipset, 300 W, R4 chassis	PC-SH310R411	887993001593
		<b>SZ270R9</b>	Same as SZ270R8, but with LED front and OC button	PC-SZ270R911	887993001364
		<b>SZ270R8</b>	LGA1151, Z270 chipset, 500 W, 2x LAN, 2x M.2-2280	PC-SZ270R811	887993001234
		<b>SZ170R8V2</b>	LGA1151, Z170 chipset, 500 W, 2x LAN, 1x M.2-2280	PC-SZ170R821	887993000794
		<b>SZ170R8</b>	LGA1151, Z170 chipset, 500 W, 1x LAN, 1x M.2-2280	PC-SZ170R811	887993000619
		<b>SH170R6 Plus</b>	LGA1151, H170 chipset, 500 W	PC-SH170R621	887993000756
		<b>SH170R6</b>	LGA1151, H170 chipset, 300 W	PC-SH170R611	887993000435
	<b>SH110R4</b>	LGA1151, H110 chipset, 300 W	PC-SH170R611	887993000671	
	<b>Accessories</b>	<b>PC55</b>	450 W power supply	PCZ-PC55	811686005148
		<b>PC60</b>	300 W 80+ power supply	PCZ-PC600	811686005223
		<b>PC63</b>	500 W 80+ power supply	PCZ-PC630	811686005254
		<b>PC61J</b>	300 W 80+ power supply	POC-PC61J	811686005438
		<b>PC63J</b>	500 W 80+ power supply	POC-PC63J POC-PC63J1	811686005445 887993800073
		<b>PC45G</b>	250 W 80+ power supply	POC-PC45G01	4046047102860
		<b>PM65</b>	Heatpipe for SG41 series	PCZ-PM65	811686005308
		<b>H-RS232</b>	Serial port	POC-PC0701	4046047102358
		<b>PHD3</b>	3.5" to 2.5" bay HDD rack for all XPCs	POC-PHD3	811686005544
		<b>WLN-P</b>	WLAN 802.11ac kit, Mini-PCIe, 2 antennas	POZ-WLNP01	887993800028
	<b>WLN-M</b>	WLAN 802.11ac kit, M2-2230, 2 antennas	POZ-WLNM01	887993800035	



Category		Product name	Description	Shuttle order no.	UPC / EAN Code
XPC aio	Barebone	P20U (Black)	Celeron 3865U, 11.6" capacitive, fanless, IP54 Front	PAB-P20U001	887993001470
		X50V6 (Black)	Celeron 3865U, 15.6" resistive, fanless, IP54 Front	PAB-X50V602	887993001203
		X50V6 (White)		PAB-X50V601	887993001227
		X50V6U3 (Black)	Core i3-7100U, 15.6" resistive, fanless, IP54 Front	PAB-X50V6U302	887993001074
		X50V6U3 (White)		PAB-X50V6U301	887993001098
		P51U (Black)	Celeron 4205U, 15.6" capacitive, fanless, IP54 Front	PAB-P51U001	887993001791
		P51U3 (Black)	Core i3-8145U, 15.6" capacitive, fanless, IP54 Front	PAB-P51U301	887993002187
		P90U (Black)	Core i3-7100U, 19.5" capacitive, fanless, IP54 Front	PAB-P90U001	887993001661
		P90U (White)		PAB-P90U002	887993001890
	P90U3 (Black)	Core i5-7200U, 19.5" capacitive, fanless, IP54 Front	PAB-P90U301	887993001685	
	P90U3 (White)		PAB-P90U302	887993001906	
	P90U5 (Black)	Celeron 3865U, 19.5" capacitive, fanless, IP54 Front	PAB-P90U501	887993001678	
	System	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, 120 GB SSD, 2x COM, 1x LPT	PAC-X506POS2	4046047103263
		POS X506 (White)	X50V6, 4 GB, 120 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
		POS P900 (Black)	P90U, 4 GB 120 GB SSD, 2x COM, 1x LPT	PAC-P900POS2	4046047103409
		P9000XA (Black)	P90U, 4 GB 500 GB HDD,	PAC-P90U001	4046047103423
		P9000PA (Black)	P90U, 4 GB 120 GB SSD, Win 10 IoT	PAL-P0900PA2	4046047103416
	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/V5/V6, P90U	POA-PCL71	887993800011
		POS01	4x COM, 1x LPT, 1x DIO (RJ11) for X50V4/V5/V6, P90U	POA-POS01	887993800004
		PF55	Carrying bag for X50 series	PCZ-PF550	811686005285



Category	Product name	Description	Shuttle order no.	UPC / EAN Code	
XPC slim LGA1151 (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
		Barebone LGA1151	XH270	3L, H270, 2x LAN, 1x COM, HDMI, DP, VGA, 4x 2.5" bay	PIB-DH27011
	XH170V		3L, H270, 1x LAN, 1x COM, HDMI, 2x DP, with drive doors	PIB-XH170V11	887993000442
	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
	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
		DIR01	DIN-Rail Installation Kit for XPC slim PCs 1L	POZ-DIR01	4046047103447
		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	DS10U	Celeron 4205U, fanless, HDMI 2.0, DisplayPort, VGA, COM	PEB-DS10U001	887993001883
			DS10U3	Core i3-8145U, fanless, HDMI 2.0, DisplayPort, VGA, COM	PEB-DS10U301	887993001876
DS10U5			Core i5-8265U, fanless, HDMI 2.0, DisplayPort, VGA, COM	PEB-DS10U501	887993001869	
DS10U7			Core i7-8565U, fanless, HDMI 2.0, DisplayPort, VGA, COM	PEB-DS10U701	887993001852	
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	
		POS DS100	DS10U, Celeron 4205U, 4GB, 120GB SSD	PEC-DS10U001	4046047103492	
		POS DS100P	DS10U, Celeron 4205U, 4GB, 120GB SSD, Win 10 IoT	PED-DS100P01	4046047103508	
		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	NC10U	Celeron 4205U, HDMI+DisplayPort, COM-Port	PFB-NC10U001	887993001975
		NC10U3	Core i3-8145U, HDMI+DisplayPort, COM-Port	PFB-NC10U301	887993001982
		NC10U5	Core i5-8265U, HDMI+DisplayPort, COM-Port	PFB-NC10U501	887993001999
		NC10U7	Core i7-8565U, HDMI+DisplayPort, COM-Port	PFB-NC10U701	887993002002
		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
NS02E			Rockchip RK3368, 2 GB RAM, 16 GB Flash, PoE	PFB-NS02E001	887993800543