

Product Overview



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Shuttle Product Overview

	XPC cube	XPC slim 3L	XPC slim 1L	XPC nano/edge <1L	XPC aio
					
Intel Core Gen 7 Socket LGA 1151 "Kaby Lake-S" (100/200 chipset)	With ODD bay: SH170R6 – Drive doors Supports 4 hard disks: SZ270R8	With slim-line ODD bay: XH110V – with front doors Without ODD bay: XH270 – 4x 2.5" bay			
Intel Core Gen 8/9 Socket LGA 1151v2 "Coffee Lake-S" (300 chipset)	With ODD bay: SH310R4V2 – Open front SH370R6V2 – front doors SH370R6V2 Plus Supports 4 hard disks: SH370R8	Dual Display / ODD bay: XH310R – Open front XH310RV – Front doors XH310R supports up to five COM ports.	Dual Display: DH310S – Budget DH310V2 Triple Display: DH370		
Intel Core Gen 10 Socket LGA 1200 "Comet Lake-S" (400 chipset)		With PCIe X16 slot: XH410G – Oct'20	Dual-Display: DH410S – Budget DH410 Oct'20! Triple-Display: DH470		
Soldered SoC processor with fan			Quad Display: DH02U-Series – 4x HDMI NVideo Geforce GTX1050	Intel Core ULV (nano PC): NC10U-Series NC03U-Series	
Soldered SoC processor without fan 			Intel Core ULV: DS10U-Series DS77U – Standard Intel "Gemini Lake" CPU: DL10J – Triple Display	ARM-processor (nano PC): NS02A – Standard NS02E – with PoE New: Intel processor (Edge): EN01J3 – with Celeron CPU EN01J4 – with Pentium CPU	Bar-type DS Player D230 – 23.1"/Android Oct'20 All-in-One PC: P20U – 11.6" X50V6/V7-Series – 15.6" P51U-Series – 15.6" P90U-Series – 19.5"

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)

All R-chassis



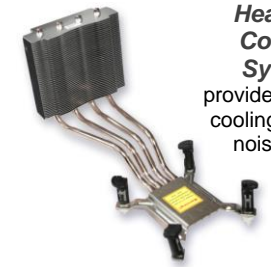
Spacious
The case has enough room for a dual-slot PCIe graphics card. The built-in 500 W power supply is ample to run current high-end graphics cards such as the Nvidia GeForce RTX 2080.

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

Intel Core Gen 8 / Gen9 "Coffee Lake (Refresh)"			Supports Intel Core Gen 7 / Gen 6 "Kaby Lake" and "Skylake" processors	
SH370R8	SH370R6V2 SH370R6V2 Plus	SH310R4V2	SZ270R8	SH170R6
Supports four 3.5" hard disks	With drive doors 300 or 500 W PSU	Customisable front design	Supports four 3.5" hard disks	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 16 GB DDR4-2400 DIMM PCIe X16 v3.0 PCIe X4 v3.0	Intel H170 chipset Socket LGA1151 max. 4x 16 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	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)
4x USB 3.2 Gen 2 4x USB 3.2 Gen 1 2x USB 2.0	4x USB 3.2 Gen 2 4x USB 3.2 Gen 1 4x USB 2.0	4x USB 3.2 Gen 1 4x USB 2.0	6x USB 3.2 Gen 1 4x USB 2.0	6x USB 3.2 Gen 1 2x USB 2.0
2x LAN (Intel) 500 W PSU	2x LAN (Intel) 300 W / 500 W PSU	1x LAN (Intel) 300 W power supply	2x LAN (Intel) 500 W power supply	1x LAN (Intel) 300 W power supply



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	PHD3
for all models	for all models

WLAN kit

WLN-M

for:
SH110R4
SZ170R8V2
SZ270R8/R9
SH370R6/R8

500 W power



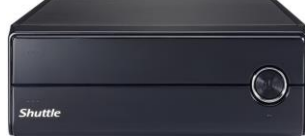


PC63J

for: SH110R4,
SH170R6,
SH310R4,
SH370R6

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

Shuttle XPC slim – 3-litre








Supports Intel Core processors, TDP max. 65W

Socket LGA1200 Gen. 10 "Comet Lake"	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 Windows 7 .	
XH410G Oct'20	XH310R / XH310RV	XH270	XH110V
PCI-Express X16 (Single Slot) VESA mount included	Dual LAN, Dual COM Without/with drive doors	Supports 3 displays and Four 2.5" drives	Dual LAN, Dual COM With drive doors
			
			
Intel H410 chipset	Intel H310 chipset	Intel H270 chipset	Intel H110 chipset
max. 2x 32 GB DDR4-2933 SO-DIMM	max. 2x 32 GB DDR4-2666 SO-DIMM	max. 2x 16 GB DDR4-2400 SO-DIMM	max. 2x 16 GB DDR3L-1600 SO-DIMM
PCIe X16 Slot, max. 20,8 cm 1x 2.5" bay M.2-2280 slot	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
HDMI 2.0a D-Sub/VGA	HDMI 2.0a DisplayPort 1.2 D-Sub/VGA	HDMI 1.4b DisplayPort 1.2 D-Sub/VGA	HDMI 1.4b DisplayPort 1.2
4x USB 3.2 Gen 1 4x USB 2.0 + 1x type A internal 1x LAN (Intel) optional: 1x COM-Port	4x USB 3.2 Gen 1 4x USB 2.0 2x LAN (Intel) 2x COM-Port	4x USB 3.2 Gen 1 4x USB 2.0 2x LAN (Intel) 1x COM port	4x USB 3.2 Gen 1 4x USB 2.0 2x LAN (Intel) 2x COM port
180 W power supply	90 W power supply	120 W power supply	90 W power supply

Heatpipe Cooling



Optionales Zubehör:

	Stand	VESA mount	VGA port	COM port	3.5" kit	WLAN kit	Button cable	Triple COM	ODD bay cover
Description									
Order No.	PS01	PV02	PVG01	PCP11	PHD4	WLN-M	CXP01	PCM31	MY01
Compatibility	all above models	all above models	XH110(V)	XH410G	XH110(R)(V), XH310(V)	XH110x, XH270, XH310(V)	XH310(R)(V), XH410G	XH310(R)	XH110(R)(V), XH310V

Shuttle XPC slim – 1-litre with fan

Oct'20



Intel Core Gen 8 and Gen 9 "Coffee Lake-S (Refresh)", max. 65W TDP			Intel Core Gen 10 "Comet Lake-S", max. 65W TDP		
DH370	DH310V2	DH310S	DH470	DH410	DH410S
Triple Display (HDMI/2x DP)	Mainstream Version V2 = new front design V2	Entry level	Triple Display (HDMI/2x DP)	Mainstream Version	Entry level
Intel H370 chipset max. 2x 32 GB DDR4-2666 SO-DIMM 1x 2,5" bay M.2-2280 slot SD card reader	Intel H310 chipset max. 2x 32 GB DDR4-2666 SO-DIMM 1x 2,5" bay M.2-2280 slot SD card reader	Intel H310 chipset max. 2x 32 GB DDR4-2666 SO-DIMM 1x 2,5" bay M.2-2280 slot SD card reader	Intel H470 chipset max. 2x 32 GB DDR4-2933 SO-DIMM 1x 2,5" bay M.2-2280 slot SD card reader	Intel H410 chipset max. 2x 32 GB DDR4-2933 SO-DIMM 1x 2,5" bay M.2-2280 slot SD card reader	Intel H410 chipset max. 2x 32 GB DDR4-2933 SO-DIMM 1x 2,5" bay M.2-2280 slot SD card reader
HDMI 2.0a 2x DisplayPort 1.2 4x USB 3.2 Gen 2 4x USB 3.0 2x LAN (Intel) 2x COM port VESA mount	HDMI 2.0a DisplayPort 1.2 4x USB 3.2 Gen 1 4x USB 2.0 2x LAN (Intel) 2x COM port VESA mount	HDMI 1.4b DisplayPort 1.2 4x USB 3.2 Gen 1 (1x Type-C) 4x USB 2.0 1x LAN (Realtek) optional only (PV04)	HDMI 2.0a 2x DisplayPort 1.2 4x USB 3.2 Gen 2 4x USB 3.0 (1x Type-C) 2x LAN (Intel) 2x COM port VESA mount	HDMI 2.0a DisplayPort 1.2 4x USB 3.2 Gen 1 4x USB 2.0 2x LAN (Intel) 2x COM port VESA mount	HDMI 1.4b DisplayPort 1.2 4x USB 3.2 Gen 1 (1x Type-C) 4x USB 2.0 1x LAN (Realtek) optional only (PV04)

- Approved for 24/7 permanent operation
- Supports Intel Core Desktop processors (max. 65W)
- 90W power adapter
- Connector for external power button
- Dimensions (LWH): 19 x 16.5 x 4.3 cm = 1.35 L
- 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	LTE kit
Description								
Order No.	PVG01	PS02	PV04	CXP01	WLN-M	DIR01	PRM01	WWN03
Compatible with	all above models	all above models	DH310S DH410S	all above models	all above models	all above models	all above models	DH4xx Series

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**



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

Optional Accessories:

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

Intel Core ULV processor (8 th / 7 th Generation)		Intel "Gemini Lake"
DS10U Series Triple-Display	DS77U Series Triple-Display	DL10J DX30-Successor
Whiskey Lake-U (8G) DS10U: Celeron 4205U DS10U3: Core i3-8145U DS10U5: Core i5-8265U DS10U7: Core i7-8565U	Kaby Lake-U (7. Gen.) DS77U: Celeron 3865U DS77U3: Core i3-7100U DS77U5: Core i5-7200U DS77U7: Core i7-7500U	Gemini Lake Intel Celeron J4005
max. 2x 32 GB DDR4-2400 SO-DIMM	max. 2x 16 GB DDR4-2133 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 DisplayPort 1.2 D-Sub/ VGA
4x USB 3.2 Gen 2 4x USB 2.0 2x LAN (Intel) 2x COM-Port	2x USB 3.2 Gen 1 4x USB 2.0 2x LAN (Intel) 2x COM-Port	2x USB 3.2 Gen 1 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 Dimensions (LWH): 20 x 16,5 x 3,95 cm = 1,3 L		40 W power adapter Dimensions (LWH): 19 x 16,5 x 4,3 cm = 1,35 L

DS10U/DS77U:
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 3.2 Gen 1
 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
WLN-M	PS02	CXP01	PRM01	DIR01

Shuttle XPC nano – 0.8-litre with fan

NC03U Series	NC10U 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	Whiskey Lake-U (8. Gen.) NC10U: Intel Celeron 3865U *) NC10U3: Intel Core i3-7100U NC10U5: Intel Core i5-7200U NC10U7: Intel Core i7-7500U
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 3.2 Gen 1 (1x type C) 2x USB 2.0 1x LAN (Intel i211) 1x COM port	2x USB 3.2 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

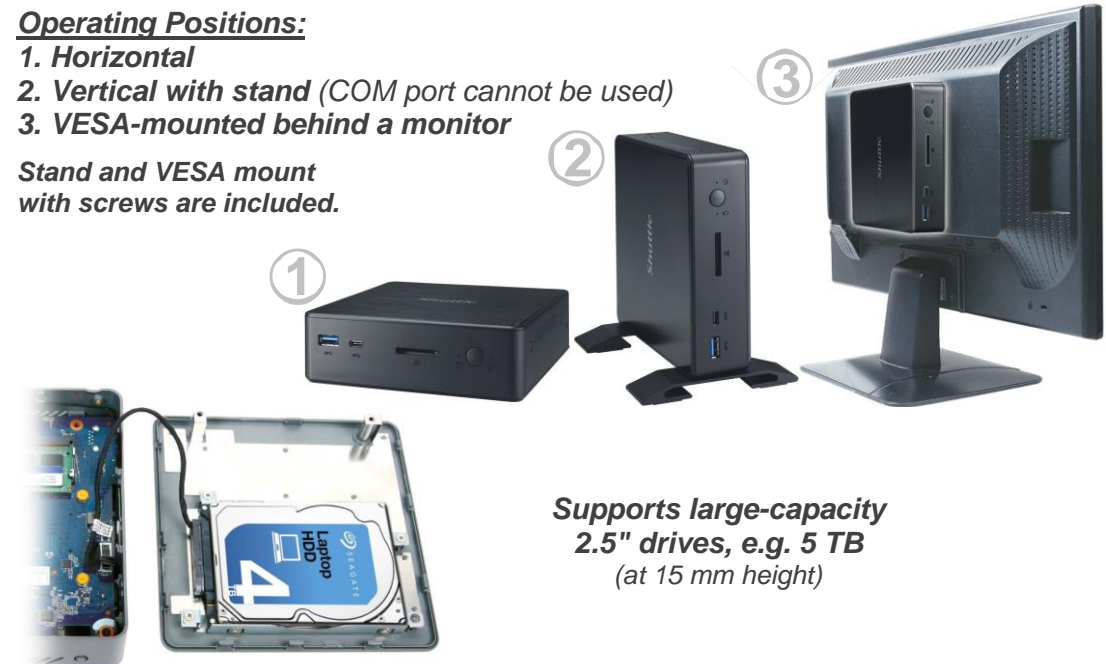


Approved for 24/7 permanent operation

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	1918
NC03U3	Core i3-7100U	2 / 4	2.4 / - GHz	3 MB	HD 620	24	1000 MHz	15 W	3758
NC03U5	Core i5-7200U	2 / 4	2.5 / 3.1 GHz	3 MB	HD 620	24	1000 MHz	15 W	4561
NC03U7	Core i7-7500U	2 / 4	2.7 / 3.5 GHz	4 MB	HD 620	24	1050 MHz	15 W	5119
NC10U	Celeron 4205U	2 / 2	1.8 / - GHz	2 MB	HD 610	12	900 MHz	15 W	1977
NC10U3	Core i3-8145U	2 / 4	2.1 / 3.9 GHz	4 MB	HD 620	24	1000 MHz	15 W	5483
NC10U5	Core i5-8265U	4 / 8	1.6 / 3.9 GHz	6 MB	HD 620	24	1100 MHz	15 W	8003
NC10U7	Core i7-8565U	4 / 8	1.8 / 4.6 GHz	8 MB	HD 620	24	1150 MHz	15 W	8817

*) 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
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 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 Series New!

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	WLAN kit New	90 W Power Adapter
① MCAP01	② PD01	② PSE01	③ WWN01 (WWN11 with LTE card)	③ LN007 & WLN-M	④ PE90

Shuttle XPC aio – fanless All-in-One PCs

P20U	X50V6 / X50V7 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
Kaby Lake-U (7. Gen.) P20U: Intel Celeron 3865U	Kaby Lake-U (7. Gen.) X50V6: Intel Celeron 3865U X50V6U3: Intel Core i3-7100U Whiskey-Lake-U (8. Gen.) X50V7: Intel Celeron 4105U X50V7U3: Intel Core i3-8145U	Whiskey-Lake-U (8. Gen.) P51U: Intel Celeron 4205U P51U3: Intel Core i3-8145U	Kaby Lake-U (7. Gen.) 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



Optional Accessories:

Description	COM port (1 pcs. / 2 pcs.)	NFC Module	2x COM, LPT	4x COM, LPT, DIO	COM cable (D-Sub/RJ45)	Internal Battery
						
Order No.	PCP11 / PCP21	PNFC01	PCL71	POS01	POR01	PBAT01
Compatible with	P20U	P20U	X50V6/V7, P90U Series	X50V6/V7, P90U Series	POS01	P51U Series

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 3.2 Gen 1, 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 from Oct'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-bi [1]t	Intel Celeron 3865U	Intel HD610	120 GB SSD	4 GB	2	1	–
	X 5073TA	Black	X50V6U3	Win 10 Pro 64-bit [1]	Intel Core i3-8145U	Intel HD610	120 GB SSD	8 GB	2	1	–
	X 5073XA	Black	X50V6U3	–	Intel Core i3-8145U	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	X50V6	–	Intel Celeron 3865U	Intel HD610	500 GB HDD	4 GB	–	1	–
	X 5070XA	White	X50V7	–	Intel Celeron 4205U	Intel HD610	500 GB HDD	4 GB	–	1	–
	POS X506	Black	X50V6	–	Intel Celeron 3865U	Intel HD610	120 GB SSD	4 GB	2	1	–
	POS X507	White	X50V7	–	Intel Celeron 4205U	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	–	–

[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.

All Shuttle XPC Systems – Overview

Category	Basis of the Systems		BTO Systems (sys.eu.shuttle.com)			Fixed Configuration	
	Barebone	Processor (Socket)	Windows 10	Linux Ubuntu	without OS	Windows 10	without OS
XPC cube	SH370R8	Socket LGA 1151v2	R83700P R83700S [1]		SH370XA SH370XB [1]		
	SH370R6V2 (Plus)	Socket LGA 1151v2	R63700H		SH370XA		
	SH310R4V2	Socket LGA 1151v2	R43100B		SH310XA		
	SZ270R9	Socket LGA 1151	R92700G		SZ270XA		
	SZ270R8	Socket LGA 1151	R82700P		SZ270XB		
	SH170R6	Socket LGA 1151	R61700H		SH170XA		
XPC slim (3-litre)	XH310R(V)	Socket LGA 1151v2	X3100B		XH310XA		
	XH270	Socket LGA 1151	X2710B		XH270XA		
	XH110V	Socket LGA 1151	X1100B		XH110VXA		
XPC slim (1-litre)	DH370	Socket LGA 1151v2	D3700B		DH370XA		
	DH310V2	Socket LGA 1151v2	D3100B	D3100B	DH310XA		
	DH310S	Socket LGA 1151v2	D3110B		DH311XA		
	DH02U	Intel Celeron 3865U	DH0200B		DH020XA		
XPC slim (1L, fanless)	DS10U(x)	Intel ULV Gen. 8	DS1000B		DS100XA	POS DS100P	POS DS100
	DS77U(x)	Intel ULV Gen. 7	DS7700B		DS770XA		
	DS68U	Intel Celeron 3855U	DS6800B		DS680XA		DS6800XA
	DL10J	Intel Celeron J4005	DL1000B		DL100XA	DL1000EP	DL1000XA
XPC nano	NC10U(x)	Intel ULV Gen. 8	NC1010B		NC100XA	NS1010BA	NC1010XA
	NC03U(x)	Intel ULV Gen. 7	NC3000B		NC030XA		
XPC aio (fanless)	P20U - 11.6"	Intel Celeron 3865U	P2000T	P2000T	P200XA	P2000PA	POS P200
	P51U(x) - 15.6"	Intel ULV Gen. 8	P5100T	P5100T	P510XA	P5100PA	POS510 POS511 [4]
	P90U(x) – 19.5" Black or White	Intel ULV Gen. 7	P9000T		P900XA	P9000PA	P9000XA POS900 [2]
	X50V6(Ux) - 15.6" Black or White	Intel ULV Gen. 7	X5060T	X5060T	X50X6A	X5060TA X5063TA [3]	POS506 [2] X5060XA X5063XA [3]
Edge	EN01J3/EN01J4	Intel „Apollo Lake“	EN130J				

[1] 3D Workstation with Nvidia Quadro graphics card [2] with COM ports [3] based on X50V6U3 with Intel Core i3 processor [4] with built-in battery



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 series, P20U, P90U, KD20, KD21, KD22, KS10, EN01 series
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(V2)(Plus), SH370R8, P20U
PCL71	Adapter card	2x serial, 1x parallel	Shuttle XPC aio (All-in-One) X50V4, X50V5, X50V6, X50V7, P90U
POS01	Adapter card	4x ser., 1x par., 1x RJ11	Shuttle XPC aio (All-in-One) X50V4, X50V5, X50V6, X50V7, 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(R)
PD01/PSE01	PoE card	RJ45	EN01 series

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, DH310S, DH410S
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), DH1xx, DQ170, DH270, DH3xx, DH4xx, DH02Ux
PRM01	Rackmount kit	Metal	DH02Ux, DH110, DH110SE, DH170, DH270, DH3xx, DH4xx, 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)
LN007	M.2 adapter for WLAN card	EN01 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, EN01 series
WWN01/11	LTE adapter/4G antennas without/with LTE module	DL10J, EN01-Series
WWN03	LTE-Adapter/4G antennas without LTE module	DS10U



Overview: Intel Core Desktop Processors

7th Generation “Kaby Lake-S” LGA 1151, for PC’s with 100/200 series chipset

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
Pentium	G4620	2 / 4	3.7	-	3	51
	G4600	2 / 4	3.6	-	3	51
	G4600T	2 / 4	3.0	-	3	35
	G4560	2 / 4	3.5	-	3	54
	G4560T	2 / 4	2.9	-	3	35
Celeron	G3950	2 / 2	3.0	-	2	51
	G3930	2 / 2	2.9	-	2	51
	G3930T	2 / 2	2.7	-	2	35

Important notes:

K = unlocked – this function is supported by SZ270R8/R9 only.
F = without graphics – requires an additional graphics card
T = Power optimized – low power consumption
TDP = Power consumption > 65W is only supported by XPC cubes
 Please refer to the Processor-Support-List at global.shuttle.com.
 Shuttle does not give guarantee on completeness and correctness of the above information.

8th / 9th Generation “Coffee Lake-S/R” LGA 1151V2, for PC’s with 300 series chipset

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	95
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	
Core i3	8400T	6 / 6	1.7	3.3	9	35	
	9350K(F)	4 / 4	4.0	4.6	8	91	
	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	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	G4950	2 / 2	3.3	-	2	54	
	G4920	2 / 2	3.2	-	2	54	
	G4900	2 / 2	3.1	-	2	54	
	G4900T	2 / 2	2.9	-	2	35	

10th Generation “Comet Lake-S” LGA 1200, for PC’s with 400 series chipset

Name	Model	Cores/ Threads	CPU Clock [GHz]	Turbo Clock [GHz]	Cache [MB]	TDP [W]
Core i9	10900K	10/20	3.7 GHz	5.1 GHz	20 MB	125 W
	10900KF	10/20	3.7 GHz	5.1 GHz	20 MB	125 W
	10900	10/20	2.8 GHz	5.0 GHz	20 MB	65 W
	10900F	10/20	2.8 GHz	5.0 GHz	20 MB	65 W
	10900T	10/20	1.9 GHz	4.5 GHz	20 MB	35 W
Core i7	10700K	8/16	3.8 GHz	5.0 GHz	16 MB	125 W
	10700KF	8/16	3.8 GHz	5.0 GHz	16 MB	125 W
	10700	8/16	2.9 GHz	4.7 GHz	16 MB	65 W
	10700F	8/16	2.9 GHz	4.7 GHz	16 MB	65 W
	10700T	8/16	2.0 GHz	4.4 GHz	16 MB	35 W
Core i5	10600K	6/12	4.1 GHz	4.8 GHz	12 MB	125 W
	10600KF	6/12	4.1 GHz	4.8 GHz	12 MB	125 W
	10600	6/12	3.3 GHz	4.8 GHz	12 MB	65 W
	10600T	6/12	2.4 GHz	4.0 GHz	12 MB	35 W
	10500	6/12	3.1 GHz	4.5 GHz	12 MB	65 W
	10500T	6/12	2.3 GHz	3.8 GHz	12 MB	35 W
	10400	6/12	2.9 GHz	4.3 GHz	12 MB	65 W
	10400F	6/12	2.9 GHz	4.3 GHz	12 MB	65 W
Core i3	10400T	6/12	2.0 GHz	3.6 GHz	12 MB	35 W
	10320	4/8	3.8 GHz	4.6 GHz	8 MB	65 W
	10300	4/8	3.7 GHz	4.4 GHz	8 MB	65 W
	10300T	4/8	3.0 GHz	3.9 GHz	8 MB	35 W
	10100	4/8	3.6 GHz	4.3 GHz	8 MB	65 W
	10100T	4/8	3.0 GHz	3.8 GHz	8 MB	35 W
Pentium Gold	G6600	2/4	4.2 GHz	-	4 MB	58 W
	G6500	2/4	4.1 GHz	-	4 MB	58 W
	G6500T	2/4	3.5 GHz	-	4 MB	35 W
	G6400	2/4	4.0 GHz	-	4 MB	58 W
	G6400T	2/4	3.4 GHz	-	4 MB	35 W
Celeron	G5920	2/2	3.5 GHz	-	2 MB	58 W
	G5900	2/2	3.4 GHz	-	2 MB	58 W
	G5900T	2/2	3.2 GHz	-	2 MB	35 W



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
		SH370R6V2 Plus	LGA1151v2, H370 Chip, 500 W, 2x LAN, R6 chassis	PC-SH370R641	887993001821
		SH370R6 Plus	LGA1151v2, H370 Chip, 500 W, 1x LAN, R6 chassis	PC-SH370R621	887993001548
		SH370R6V2	LGA1151v2, H370 Chip, 300 W, 2x LAN, R6 chassis	PC-SH370R631	887993001746
		SH370R6	LGA1151v2, H370 Chip, 300 W, 1x LAN, R6 chassis	PC-SH370R611	887993001524
		SH310R4V2	LGA1151v2, H310 Chipsatz, 300 W, R4 chassis	PC-SH310R421	887993001647
		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	P20U (Black)	Celeron 3865U, 11.6" capacitive, fanless, IP54 Front	PAB-P20U001	887993001470
		X50V7 (Black)	Celeron 4105U, 15.6" resistive, fanless, IP54 Front	PAB-X50V712	887993002149
		X50V7 (White)		PAB-X50V711	887993002156
		X50V7U3 (Black)	Core i3-8145U, 15.6" resistive, fanless, IP54 Front	PAB-X50V7U312	887993002163
		X50V7U3 (White)		PAB-X50V7U311	887993002170
		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	X5070XA (Black)	X50V7, 4 GB, 500 GB HDD	PAC-X50V702	4046047103584
		X5070XA (White)	X50V7, 4 GB, 500 GB HDD	PAC-X50V701	4046047103577
		POS X507 (Black)	X50V7, 4 GB, 120 GB SSD, 2x COM	PAC-X507POS2	4046047103591
		POS X507 (White)	X50V7, 4 GB, 120 GB SSD, 2x COM	PAC-X507POS1	4046047103560
		X5073XA (Black)	X50V7U3, 8 GB, 120 GB SSD	PAC-X50V7U302	4046047103546
		X5073TA (Black)	X50V7U3, 8 GB, 120 GB SSD, Win 10 Pro	PAT-X05073TA2	4046047103553
		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-V7, P90U	POA-PCL71	887993800011
		POS01	4x COM, 1x LPT, 1x DIO (RJ11) for X50V4-V7, 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 LGA Socket (with fan)	Barebone LGA1200	DH470	1L, H470, 2x LAN, 2x COM, 4x USB 3.2 Gen 2, HDMI 2.0, 2x DP	PIB-DH470001	887993002422	
		DH410	1L, H410, 2x LAN, 2x COM, 4x USB 3.2 Gen 1, HDMI 2.0, DP	PIB-DH410001	887993002385	
		DH410S	1L, H410, 1x LAN, 0x COM, 4x USB 3.2 Gen 1, HDMI 2.0, DP	PIB-DH410S001	887993002460	
	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 3.2 Gen 2, HDMI 2.0, 2x DP	PIB-DH370001	887993001609	
		DH310V2	1L, H310, 2x LAN, 2x COM, 4x USB 3.2 Gen 1, HDMI 2.0, DP	PIB-DH310011	887993001753	
		DH310	1L, H310, 2x LAN, 2x COM, 4x USB 3.2 Gen 1, 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	887993001340
			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	PIB-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, DH310S, DH410S	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
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
		XPC slim Intel ULV-CPU (with fan)	Barebone	DH02U	Celeron 3865U, NVidia GTX 1050, 4x HDMI 2.0b
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	887993800536
		NS02E	Rockchip RK3368, 2 GB RAM, 16 GB Flash, PoE	PFB-NS02E001	887993800543

Category		Product name	Description	Shuttle order no.	UPC / EAN Code
Edge	System	EN01J3	Edge PC, Celeron J3355, 4 GB RAM, 64 GB eMMC	NEC-EN01J03	887993601106
		EN01J4	Edge PC, Pentium J4205, 8 GB RAM, 64 GB eMMC	NEC-EN01J04	887993601113
	Accessory	MCAP01	HDMI Capture Card	PON-MCAP01	887993800325
		WWN01	Two LTE antennas	POE-WWN01	887993800233
		WWN11	Two LTE antennas with LTE card (Huawei ME906s-158)	POE-WWN11	4046047103393
		PSE01	Second LAN port with PoE (EN01x supplies another device)	PON-PSE01	887993800349
		PD01	Second LAN port with PoE (EN01x is supplied over network)	PON-PSE01	887993800356
		WLN-M	WLAN module (802.11ac) with two external antennas	POZ-WLNM01	887993800035
		LN007	M.2 adapter, required for WLN-M	n.a.	4046047103539
		PE90	External power adapter 90W / 19V	POZ-PE90E01	811686005728