

Product Overview



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Shuttle Product Overview

	Processor Socket			Soldered Processor		
	XPC cube 14L	XPC slim 3L	XPC slim 1L	XPC slim/nano	XPC All-in-One	Industry PCs
						
Intel	<p>Max. 4 hard disks (3.5"): SZ270R8 SH370R8</p> <p>SH570R8 New SW580R8 Apr'22</p> <p>With ODD bay: SH310R4V2 – Open front SH370R6V2 – front doors SH370R6V2 Plus – 500W</p> <p>SH510R4 – Feb'22 SH570R6 – New SH570R6 Plus New</p>	<p>With ODD bay: XH310R – Open front up to five COM ports XH310RV – Front doors</p> <p>With PCIe X16 slot: XH410G</p>	<p>Dual Display: DH410(C)</p> <p>Dual Display (Budget): DH410S</p> <p>Triple Display: DH470(C)</p>	<p>Intel Core ULV: NC10U Series – nano DS10U-Series – fanless Feb'22: DS20U-Series – fanless</p> <p>Intel "Gemini Lake" CPU: New: DL20N – budget, fanless</p> <p>Quad Display (slim): DH02U – NVidia GTX1050 DH32U-Series Feb'22</p>	<p>Resistive Touch Panel: X50V7 – 15.6" fanless</p> <p>Capacitive Multi-Touch: P20U – 11.6" fanless P51U – 15.6" fanless P90U – 19.5" fanless Feb'22: P92U – 19.5" fanless</p>	<p>Edge PC: EN01J3 – Celeron fanless EN01J4 – Pentium fanless</p> <p>Box PC: New BPCWL02/03 – fanless</p> <p>Panel PC: Feb'22 P21WL01 – 21.5" fanless</p>
AMD			<p>Triple Display: DA320</p>			
ARM				<p>Nano PC with Android: NS02AV2 – Standard NS02EV2 – with PoE</p>	<p>Bar-type DS Player D230 – 23.1" fanless</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)

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

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 	Button cable
WLN-M for all models	CXP01 for SH5xx Series

500 W power 	For High-End Graphic Cards a 500 W power supply is required. Further info: global@shuttle.com support@power .
PC63J for: SH110R4, SH170R6, (SH310R4, SH370R6)	

Intel Core Gen 10 / Gen 11 "Comet Lake" and "Rocket Lake" Supports Windows 10/11 and Linux				Intel Core Gen 8 / Gen9 "Coffee Lake (Refresh)" Supports Windows 10/11 and Linux			Core Gen 6/7 "Kaby / Skylake" Win10 & Linux
SW580R8 Apr'22 Supports ECC, vPro, Xeon,...	SH570R8 New Supports four 3.5" hard disks	SH570R6 SH570R6 Plus New With drive doors 300 or 500 W PSU	SH510R4 Feb'22 Customisable front design	SH370R8 Supports four 3.5" hard disks	SH370R6V2 SH370R6V2 Plus With drive doors 300 or 500 W PSU	SH310R4V2 Customisable front design	SZ270R8 Supports four 3.5" hard disks
Intel W580 Chipset Socket LGA1200 Supp. Xeon serie W max. 4x 32 GB DDR4-3200 DIMM Supports ECC PCIe X16 v4.0 PCIe X4 v3.0	Intel H570 Chipset Socket LGA1200 max. 4x 32 GB DDR4-3200 DIMM PCIe X16 v4.0 PCIe X4 v3.0	Intel H570 Chipset Socket LGA1200 max. 4x 32 GB DDR4-3200 DIMM PCIe X16 v4.0 PCIe X4 v3.0	Intel H510 Chipset Socket LGA1200 max. 2x 32 GB DDR4-3200 DIMM PCIe X16 v4.0 PCIe X1 v3.0	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
4x 3.5" bay 2x M.2-2280 slot RAID support	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 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 HDMI 2.0b 2x DP 1.4 (Triple Display)	1x HDMI 2.0b 2x DP 1.4 (Triple Display)	1x HDMI 2.0b 2x DP 1.4 (Triple Display)	1x HDMI 2.0b 1x DP 1.4, 1x VGA (Dual Display)	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 VGA (Dual Display)	1x HDMI 1.4b 2x DP 1.2 (Triple Display)
4x USB 3.2 Gen 2 4x USB 3.2 Gen 1 4x USB 2.0	4x USB 3.2 Gen 2 4x USB 3.2 Gen 1 4x 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	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
2x Intel 1G LAN 2x RTL 2.5G LAN 500 W PSU	2x Intel 1G LAN 500 W PSU	2x Intel 1G LAN 300/500 W PSU	1x Intel 1G LAN 300 W PSU	2x Intel 1G LAN 500 W PSU	2x Intel 1G LAN 300/500 W PSU	1x Intel 1G LAN 300 W PSU	2x Intel 1G LAN 500 W PSU

Shuttle XPC slim – 3-litre

Heatpipe Cooling











Supports Intel Core processors, TDP max. 65W Supports Windows 10/11 and Linux	
Socket LGA1200 Gen. 10 "Comet Lake"	Socket LGA1151v2 Gen. 8 / 9 "Coffee Lake"
XH410G	XH310R / XH310RV
PCI-Express X16 (Single Slot) VESA mount included	Dual LAN, Dual COM Without/with drive doors
Intel H410 chipset max. 2x 32 GB DDR4-2933 SO-DIMM	Intel H310 chipset max. 2x 32 GB DDR4-2666 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
HDMI 2.0a D-Sub/VGA	HDMI 2.0a DisplayPort 1.2 D-Sub/VGA
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
180 W power supply	90 W power supply

Optionales Zubehör:

	Stand	VESA mount	COM port	3.5" kit	WLAN kit	Button cable	Triple COM	ODD bay cover
Description								
Order No.	PS01	PV02	PCP11	PHD4	WLN-M/M1	CXP01	PCM31	MY01
Compatibility	all above models	all above models	XH410G	XH310®(V)	XH270, XH310(V)	XH310R(V), XH410G	XH310(R)	XH310(R)V









Shuttle XPC slim – 1-litre with fan






Intel Core Gen 10 "Comet Lake-S" max. 65W TDP Supports Windows 10/11 and Linux			AMD AM4 Ryzen 2000/3000 Series max. 65W TDP Win 10/11 & Linux
DH470(C) Triple Display (HDMI/2x DP)	DH410(C) Mainstream Version	DH410S Entry level	DA320 Triple Display (HDMI/2x DP)
 	 	 	 
Intel H470 chipset max. 2x 32 GB DDR4-2933 SO-DIMM 1x 2,5" bay M.2-2280 slot	Intel H410 chipset max. 2x 32 GB DDR4-2933 SO-DIMM 1x 2,5" bay M.2-2280 slot	Intel H410 chipset max. 2x 32 GB DDR4-2933 SO-DIMM 1x 2,5" bay M.2-2280 slot	AMD A320 chipset max. 2x 16 GB DDR4-2933 SO-DIMM 1x 2.5" bay M.2-2280 slot
DH470: with card reader DH470C: no card reader	DH410: with card reader DH410C: no card reader	SD card reader	SD card reader
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)	HDMI 2.0 2x DisplayPort 1.4 6x USB 3.2 Gen 1 2x USB 2.0 2x LAN (Realtek) 2x COM-Port VESA mount

Common features: Approved for 24/7 permanent operation, Supports processors up to 65W TDP, 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:

Description	VGA port	Stand	VESA mount	Button cable	WLAN kit	DIN-Rail Kit	Rack mount kit	LTE kit
								
Order No.	PVG01	PS02	PV04	CXP01	WLN-M/M1	DIR01	PRM01	WWN03
Compatible with	all above models	all above models	DH410S	all above models	all above models	all above models	all above models	DH4xx Series

Shuttle XPC slim – 1-litre fanless





Intel Core ULV Gen8 DS10U Series	Intel Core ULV Gen10 DS20U Series Feb'22	Intel "Jasper Lake" DL20N Series New!
DS77U-Successor	DS10U-Successor	DL10L-Successor
		
Whiskey Lake-U (Gen 8) DS10U: Celeron 4205U DS10U3: Core i3-8145U DS10U5: Core i5-8265U DS10U7: Core i7-8565U	Comet Lake-U (Gen 10) DS20U: Celeron 5205U DS20U3: Core i3-10110U DS20U5: Core i5-10210U DS20U7: Core i7-10510U	Jasper Lake DL20N: Celeron (2-core) DL20N6: Pentium Silver N6005 (4-core)
max. 2x 32 GB DDR4-2400 SO-DIMM	max. 2x 32 GB DDR4-2666/2400 SO-DIMM	max. 2x 8 or 1x 16 GB DDR4-2933 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
HDMI 2.0a DisplayPort 1.2 D-Sub / VGA	HDMI 2.0a DisplayPort 1.2 D-Sub / VGA	HDMI 2.0b DisplayPort 1.4a D-Sub / VGA
4x USB 3.2 Gen 2 *) 4x USB 2.0 2x LAN (Intel) 1x COM-Port	4x USB 3.2 Gen 2 *) 4x USB 2.0 2x LAN (Intel) 1x COM-Port	2x USB 3.2 Gen 2 2x USB 3.2 Gen 1 2x USB 2.0 1x LAN (Intel) 2x COM-Port
WLAN-ac, ext. antenna	— **)	—
65 W power adapter AC plug: 2 pins	65 W power adapter AC plug: 3 pins	40 W power adapter AC plug: 2 pins
Dimensions (LWH): 20 x 16,5 x 3,95 cm = 1,3 L	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

*) DS10U/DS20U with Celeron CPU supports USB 3.2 Gen 1 only **) DS20U series: two WLAN cables pre-installed



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

Optional Accessories:

Stand	Button cable	WLAN kit
		
PS02	CXP01	WLN-M
for DL10J/DL20N	for all models	for DS20U/DL20N
LTE adapter w/o LTE module	LTE adapter with LTE module	LTE adapter w/o LTE module
		
WWN01	WWN11	WWN03
for DL10J	for DL10J	for DS10U/DS20U and DL20N
COM Port	Rack mount kit	DIN-Rail Kit
		
PCP11	PRM01	DIR01
for DS10U/DS20U	for all models	for all models

DS10U / DS20U:
Heatpipe cooling
without fan





DL20N:
Passive cooling (fanless)



Shuttle XPC slim – 1-litre with 4x HDMI



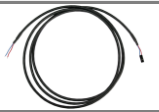

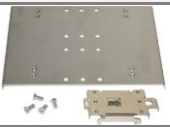


Supports playback of **2160p/60 video** on **four Ultra-HD/4K displays** via **HDMI 2.0b**.
 A fan cooling ensures stable operating at an **ambient temperature of up to 50 °C**.
 Optional connector for **external power button** (accessory CXP01).
VESA Mount included.

Intel Core ULV CPU	
DH32U Series Feb'22	DH02U Series
Quad UHD Display with integrated graphics engine 	Quad UHD Display with NVIDIA graphics card 
Tiger Lake-U (11. Gen.) DH32U: Intel Pentium 7505 (15W) DH32U5: Intel Core i5-1135G7 (28W)	Kaby Lake-U (7. Gen.) DH02U: Intel Celeron 3865U DH02U5: Intel Core i5-7200U
Supports Win 10/11 & Linux	Supports Windows 10 & Linux
Intel UHD Graphics (Tiger Lake) Supports four UHD displays DH32U5: Intel „Iris Xe“ graphics	NVIDIA GeForce GTX 1050 Mobile MXM 3.0 graphics card VRAM: 4 GB GDDR5 128-bit Supports four UHD displays
max. 2x 32 GB DDR4-3200 SO-DIMM 1x 2.5" bay M.2-2280 slot	max. 2x 16 GB DDR4-2133 SO-DIMM 1x 2.5" bay M.2-2280 slot
4x HDMI 2.0b 4x USB 3.2 Gen 2 (10G) 4x USB 3.2 Gen 1 (5G) 2x LAN (Intel) 2x COM-Port SD card reader	4x HDMI 2.0b 4x USB 3.0, 2x USB 3.2 Gen 1 (5G) 1x LAN (Intel) 1x COM port
90 W power adapter	120 W power adapter
19 x 16.5 x 4.3 cm = 1.35 L	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
			
WLN-M	PS02	CXP01	PRM01
DIN-Rail Kit	VGA Port	LTE adapter w/o LTE module	
			
DIR01	PVG01 for DH32Ux	WWN03 for DH32Ux	

Shuttle XPC nano – 0.8-litre with fan

NC10U Series



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 10/11 and Linux

max. 2x 32 GB

DDR4-2133/2400 SO-DIMM *)

1x 2.5" bay (up to 15 mm)

M.2-2280 slot

SD card reader

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

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



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)

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

**) WLAN can be upgraded optionally with WLN-M/M1 (AC standard with two external antennas)

Shuttle XPC nano – 0.6-litre fanless

New V2-Version

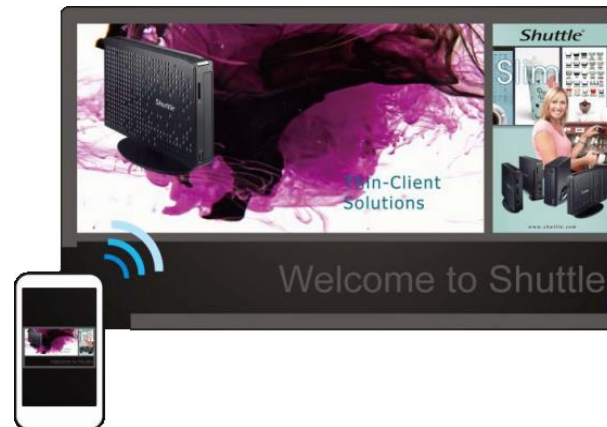
Ideal for use as a Digital Signage Media Player

- ✓ Rockchip ARM processor
- ✓ Android 8.1 operating system
- ✓ Shuttle Digital Signage Software
- ✓ Power-over-Ethernet (NS02EV2 only)

NS02AV2	NS02EV2
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, 4x USB 2.0, RJ45 Gigabit LAN, Audio line-out 3.5 mm	
2-pin Port: for External Power Button 2-pin-Port: Flash & Recovery Mode Setting	
Wireless LAN 802.11ac and Bluetooth 5.0	
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 V2

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

Shuttle XPC aio – fanless All-in-One PCs

P20U	X50V7 Series	P51U Series	P90U / P92U 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	Whiskey-Lake-U (8. Gen.) X50V7: Intel Celeron 4105U X50V7U3: Intel Core i3-8145U X50V7L and X50V7U3L have <u>no</u> WLAN card (WLAN antennas included)	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 Feb'22: Comet Lake-U (10. Gen.) P92U: Intel Celeron 5205U P92U3: Intel Core i3-10110U P92U5: Intel Core i5-10210U
Windows 10 & Linux	Windows 10/11 & Linux	Windows 10/11 & Linux	Windows 10/(11) & Linux
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



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%

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	X50V7, P90U, P92U Series	X50V7, P90U, P92U Series	POS01	P51U Series

Shuttle XPC aio – Biometric Signage Solution

New!



	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 Edge Series

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

Shuttle Industry PCs



	Box PC BPCWL02/03 New	Panel PC P21WL01 Feb'22
IP Standard	IP30	IP65 (front)
Operating Temperature	BPCWL02: 0~40 °C BPCWL03: -20~60 °C	0~40 °C
Chassis	Durable and rugged chassis	Rear cover chassis thickness: 3.0 mm
Display	Supports up to 3 displays	21.5" (54.6 cm) IPS Display Projected capacitive multi-touch panel
Storage	M.2-2280 slot for SSD cards	2.5" HDD bay, Swappable drive tray M.2-2280 slot for SSD cards
Dimensions	16.9 x 24.5 x 5.7 cm (LWH) = ca. 2.7 L	54.3 x 33.4 x 5.0 cm (WHD)

Common Features:

- Fanless & Silent
- 24/7 Nonstop Operation
- Durable and rugged chassis
- Intel ULV Processor (Core i3-8145UE, Core i5-8365UE and others)
- External 90W power adapter
- Several optional expansion kits
- Supports Windows 10/11 and Linux

Shuttle XPC Systems – fixed configurations

Product-group	Product name	Colour	Based on Barebone-	Operating System	Intel Processors	Graphics	Disk Drives	Memory	Serial Ports	VGA
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 5073TA	Black	X50V7U3	Win 10 Pro 64-Bit [1]	Intel Core i3-8145U	Intel HD610	120 GB SSD	8 GB	2	1
	X 5073XA	Black	X50V7U3	–	Intel Core i3-8145U	Intel HD610	120 GB SSD	8 GB	–	1
	X 5070PA	Black	X50V7	Win 10 IoT Enterpr [1]	Intel Celeron 4205U	Intel HD610	120 GB SSD	4 GB	–	1
	X 5070TA	Black	X50V7	Win 10 Pro 64-Bit [1]	Intel Celeron 4205U	Intel HD610	120 GB SSD	4 GB	–	1
	X 5070XA	White	X50V7	–	Intel Celeron 4205U	Intel HD610	500 GB HDD	4 GB	–	1
	POS X507	Black /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
	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 Enterpr [1]	Intel Celeron 3865U	Intel HD610	120 GB SSD	4 GB	–	–
XPC slim (fanless)	POS DS200	Black	DS20U	–	Intel Celeron 5205U	Intel UHD610	128 GB SSD	4 GB	1	1
	DL2000XA	Black	DL20N	–	Intel Celeron N4505	Intel UHD Gen11	120 GB SSD	4 GB	2	1
	DL2000EP	Black	DL20N	Win 11 Pro [1]	Intel Celeron N4505	Intel UHD Gen11	120 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	–
Box-PC	BPCWL02-i3XA	Blue	BPCWL02	–	Intel Core i3-8145UE	Intel UHD620	120 GB SSD	4 GB	3	1
	BPCWL02-i5WA	Blue	BPCWL02	Win 10 IoT Enterpr [1]	Intel Core i5-8365UE	Intel UHD620	250 GB SSD	8 GB	3	1
Panel-PC	P21WL01-i3XA	Black/Blue	P21WL01-i3	–	Intel Core i3-8145UE	Intel UHD620	120 GB SSD	4 GB	3	DVI-I
	P21WL01-i5WA	Black/Blue	P21WL01-i5	Win 10 IoT Enterpr [1]	Intel Core i5-8365UE	Intel UHD620	250 GB SSD	8 GB	3	DVI-I

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

Operating system pre-installed with German, English, French, Italian, Dutch (additional languages can be installed at any time).

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	Linux Ubuntu	without OS	Windows	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		
	SZ270R8	Socket LGA 1151	R82700P		SZ270XB		
XPC slim (3-litre)	XH410G	Socket LGA 1200	X4120B		XH410GXA		
	XH310R(V)	Socket LGA 1151v2	X3100B		XH310XA		
XPC slim (1-litre)	DH410S	Socket LGA 1200	D4110B		DH410SXA		
	DH410	Socket LGA 1200	D4100B		DH410XA		
	DH470	Socket LGA 1200	D4710B		DH470XA		
	DH310V2	Socket LGA 1151v2	D3100B	D3100B	DH310XA		
	DH310S	Socket LGA 1151v2	D3110B		DH311XA		
	DH02U	Intel Celeron 3865U	DH0200B		DH02UXA		
XPC slim (1L, fanless)	DS10U(x)	Intel ULV Gen. 8	DS1000B		DS10UXA	POS DS100P	POS DS100
	DS20U(x)	Intel ULV Gen. 10	DS2000B		DS20UXA		POS DS200
	DL20N	Intel Celeron N4505	DL2000B		DL20NXA	DL2000EP	DL2000XA
XPC nano	NC10U(x)	Intel ULV Gen. 8	NC1010B		NC10UXA	NS1010BA	NC1010XA
XPC aio (fanless)	P20U - 11.6"	Intel Celeron 3865U	P2000T	P2000T	P20UXA	P2000PA	POS P200
	P51U(x) - 15.6"	Intel ULV Gen. 8	P5100T	P5100T	P51UXA	P5100PA	POS510 POS511 [4]
	P90U(x) – 19.5" Black or White	Intel ULV Gen. 7	P9000T		P90UXA	P9000PA	P9000XA POS900 [2]
	X50V7(Ux) - 15.6" Black or White	Intel ULV Gen. 8	X5070T	X5070T	X50X7A	X5070TA X5070PA X5073TA [3]	POS507 [2] X5070XA X5073XA [3]
Edge	EN01J3/EN01J4	Intel „Apollo Lake“	EN130J				
Box-PC	BPCWL02	Intel ULV Gen. 8	BPCWL02-i3W BPCWL02-i5W		BPCWL02-i3X BPCWL02-i5X	BPCWL02-i5WA	BPCWL02-i3XA
Panel-PC	P21WL01	Intel ULV Gen. 8	P21WL01-i3W P21WL01-i5W		P21WL01-i3X P21WL01-i5X	P21WL01-i5WA	P21WL01-i3XA

[1] 3D Workstation with Nvidia Quadro graphics card [2] with COM ports [3] based on X50V7U3 with Intel Core i3 processor



Power Supply



Product	Output Wattage	Compatibility
PE90	90 W	XS35/XS36-series, DX30, DL10J, DL20N, 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), DS10U(x), DS20U(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/R8, 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, DL20N, DS61, DS81(L), DH1xx, DQ170, DH270, DH3xx, DH4xx DH02Ux
PRM01	Rackmount kit	Metal	DH02Ux, DH110, DH110SE, DH170, DH270, DH3xx, DH4xx, DL10J, DL20N, DQ170, DS10Ux, DS20Ux, 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 WLN-M1	WLAN kit with 2 antennas (M.2-2230 card)	NC02Ux, NC03Ux, NC10Ux, DH110(SE), DH270, DH3xx, XH110(R)(V), XH110G, XH270, XH310(R)(V), XC60J, DX30, DL20N(6), DS20Ux, DH02Ux, DH32Ux SH110R4, SZ170R8V2, SZ270R8/R9, SH3xxRx, SH5xxRx, EN01-Serie
WWN01/11	LTE adapter/4G antennas without/with LTE module	DL10J, EN01-Series
WWN03	LTE-Adapter/4G antennas without LTE module	DS10Ux, DS20Ux, DL20N



Overview: Intel Core Desktop Processors

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
8400T	6 / 6	1.7	3.3	9	35	
Core i3	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
Pentium Gold	8100T	4 / 4	3.1	-	6	35
	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
Celeron	G5400T	2 / 4	3.1	-	4	35
	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 400/500 series chipset

Name	Model	Cores/Threads	CPU Clock [GHz]	Turbo Clock [GHz]	Cache [MB]	TDP [W]
Core i9	10900K	10 / 20	3,7	5,1	20	125 W
	10900KF	10 / 20	3,7	5,1	20	125 W
	10900	10 / 20	2,8	5,0	20	65 W
	10900F	10 / 20	2,8	5,0	20	65 W
	10900T	10 / 20	1,9	4,5	20	35 W
Core i7	10700K	8 / 16	3,8	5,0	16	125 W
	10700KF	8 / 16	3,8	5,0	16	125 W
	10700	8 / 16	2,9	4,7	16	65 W
	10700F	8 / 16	2,9	4,7	16	65 W
	10700T	8 / 16	2,0	4,4	16	35 W
Core i5	10600K	6 / 12	4,1	4,8	12	125 W
	10600KF	6 / 12	4,1	4,8	12	125 W
	10600	6 / 12	3,3	4,8	12	65 W
	10600T	6 / 12	2,4	4,0	12	35 W
	10500	6 / 12	3,1	4,5	12	65 W
	10500T	6 / 12	2,3	3,8	12	35 W
	10400	6 / 12	2,9	4,3	12	65 W
	10400F	6 / 12	2,9	4,3	12	65 W
	10400T	6 / 12	2,0	3,6	12	35 W
	10320	4 / 8	3,8	4,6	8	65 W
Core i3	10300	4 / 8	3,7	4,4	8	65 W
	10300T	4 / 8	3,0	3,9	8	35 W
	10100	4 / 8	3,6	4,3	8	65 W
	10100T	4 / 8	3,0	3,8	8	35 W
	Pentium Gold	G6605	2 / 4	4,3	-	4
G6600		2 / 4	4,2	-	4	58 W
G6505		2 / 4	4,2	-	4	58 W
G6500		2 / 4	4,1	-	4	58 W
G6500T		2 / 4	3,5	-	4	35 W
G6405		2 / 4	4,1	-	4	58 W
G6405T		2 / 4	3,5	-	4	35 W
G6400		2 / 4	4,0	-	4	58 W
G6400T		2 / 4	3,4	-	4	35 W
Celeron		G5925	2 / 2	3,6	-	4
	G5920	2 / 2	3,5	-	2	58 W
	G5905	2 / 2	3,5	-	4	58 W
	G5905T	2 / 2	3,3	-	4	35 W
	G5900	2 / 2	3,4	-	2	58 W
	G5900T	2 / 2	3,2	-	2	35 W

11th Generation “Rocket Lake-S” LGA 1200, for PC's with 500 series chipset

Name	Model	Cores/Threads	CPU Clock [GHz]	Turbo Clock [GHz]	Cache [MB]	TDP [W]
Core i9	11900K	8 / 16	3,5	5,3	16	125
	11900KF	8 / 16	3,5	5,3	16	125
	11900	8 / 16	2,5	5,2	16	65
	11900F	8 / 16	2,5	5,2	16	65
	11900T	8 / 16	1,5	4,9	16	35
Core i7	11700K	8 / 16	3,6	5,0	16	125
	11700KF	8 / 16	3,6	5,0	16	125
	11700	8 / 16	2,5	4,9	16	65
	11700F	8 / 16	2,5	4,9	16	65
	11700T	8 / 16	1,4	4,6	16	35
Core i5	11600K	6 / 12	3,9	4,9	12	125
	11600KF	6 / 12	3,9	4,9	12	125
	11600	6 / 12	2,8	4,8	12	65
	11600T	6 / 12	1,7	4,1	12	35
	11500	6 / 12	2,7	4,6	12	65
	11500T	6 / 12	1,5	3,9	12	35
	11400	6 / 12	2,6	4,4	12	65
	11400F	6 / 12	2,6	4,4	12	65
11400T	6 / 12	1,3	3,7	12	35	

Important notes:
K = unlocked – this function is supported by S2Z270R8/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.

Overview: Windows 11 Support

Category	Supports Installation of Windows 11 (64-bit) and Supports Windows 10 upgrade to Windows 11 (64-bit)	Does <u>not</u> support Windows 11
XPC Cube	SH310R4 (V2) SH370R6 (V2) SH370R8 SH510R4 SH570R6 SH570R8 SW580R8	SH110R4 SH170R6 SZ270R8 SZ270R9
XPC slim 3L	XH310/XH310V XH310R/XH310RV XH410G	XH110/XH110V XH110G XH270
XPC slim 1L With Fan	DH310 DH310V2 DH310S DH370 DH410(S) DH470 DA320 DH32U	DH110 DH110SE DQ170 DH270 DH02U
XPC slim 1L Fanless	DS10U DS20U DL10J DL20N	DS68U DS77U DX30 XC60J
XPC Nano	NC10U	NC02U NC03U
XPC All-in-One	X50V7 X50V8 P51U P92U	X50V6 P20U P90U
Edge PC		EN01J3/J4
Box-PC	BPCWL02 BPCWL03	
Panel-PC	P21WL01	



Category	Product name	Description	Shuttle order no.	UPC / EAN Code	
XPC cube	Barebone	SW580R8	LGA1200, W580 chipset, 500W, 4x LAN, R8 chassis	PC-SW580R811	887993004174
		SH570R8	LGA1200, H570 chipset, 500W, 2x LAN, R8 chassis	PC-SH570R811	887993003504
		SH570R6 Plus	LGA1200, H570 chipset, 500W, 2x LAN, R6 chassis	PC-SH570R621	887993003870
		SH570R6	LGA1200, H570 chipset, 300W, 2x LAN, R6 chassis	PC-SH570R611	887993003498
		SH510R4	LGA1200, H510 chipset, 300W, 1x LAN, R4 chassis	PC-SH510R411	887993003948
		SH370R8	LGA1151v2, H370 chipset, 500 W, R8 chassis	PC-SH370R811	887993001616
		SH370R6V2 Plus	LGA1151v2, H370 chipset, 500 W, 2x LAN, R6 chassis	PC-SH370R641	887993001821
		SH370R6 Plus	LGA1151v2, H370 chipset, 500 W, 1x LAN, R6 chassis	PC-SH370R621	887993001548
		SH370R6V2	LGA1151v2, H370 chipset, 300 W, 2x LAN, R6 chassis	PC-SH370R631	887993001746
		SH370R6	LGA1151v2, H370 chipset, 300 W, 1x LAN, R6 chassis	PC-SH370R611	887993001524
		SH310R4V2	LGA1151v2, H310 chipset, 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
	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		
WLN-M1	WLAN 802.11ax kit, M2-2230, 2 antennas	POZ-WLNM11	4046047103690		



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
		X50V7L (Black)	like X50V7, but without WLAN module	PAB-X50V722	887993003559
		X50V7U3 (Black)	Core i3-8145U, 15.6" resistive, fanless, IP54 Front	PAB-X50V7U312	887993002163
		X50V7U3 (White)		PAB-X50V7U311	887993002170
		X50V7U3L (Black)	like X50V7U3, but without WLAN module	PAB-X50V7U322	887993003566
		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)	Celeron 3865U, 19.5" capacitive, fanless, IP54 Front	PAB-P90U001	887993001661
		P90U (White)		PAB-P90U002	887993001890
		P90U3 (Black)	Core i3-7100U, 19.5" capacitive, fanless, IP54 Front	PAB-P90U301	887993001685
		P90U3 (White)		PAB-P90U302	887993001906
		P90U5 (Black)	Core i5-7200U, 19.5" capacitive, fanless, IP54 Front	PAB-P90U501	887993001678
		P92U (Black)	Celeron 5205U, 19.5" capacitive, fanless, IP54 Front	PAB-P92U001 /011	887993003191 /4488
		P92U (White)		PAB-P92U002 /012	887993003764 /4501
	P92U3 (Black)	Core i3-10110U, 19.5" capacitive, fanless, IP54 Front	PAB-P92U301 /311	887993003207 /4525	
	P92U3 (White)		PAB-P92U302 /312	887993003771 /4549	
	P92U5 (Black)	Core i5-10210U, 19.5" capacitive, fanless, IP54 Front	PAB-P92U501 /511	887993003214 /4563	
	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
		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



Category	Product name	Description	Shuttle order no.	UPC / EAN Code
XPC slim LGA Socket (with fan)	Barebone AMD AM4	DA320	1L, A320, 2x LAN, 2x COM, 6x USB 3.2 Gen 1, HDMI, 2x DP 1.4	PIB-DA320001 887993002767
	Barebone LGA1200	DH470	1L, H470, 2x LAN, 2x COM, 4x USB 3.2 Gen 2, HDMI 2.0, 2x DP	PIB-DH470001 887993002422
		DH470C	like DH470, but without card reader	PIB-DH470001 887993003689
		DH410	1L, H410, 2x LAN, 2x COM, 4x USB 3.2 Gen 1, HDMI 2.0, DP	PIB-DH410001 887993002385
		DH410C	like DH410, but without card reader	PIB-DH410011 887993003696
		DH410S	1L, H410, 1x LAN, 0x COM, 4x USB 3.2 Gen 1, HDMI 2.0, DP	PIB-DH410S001 PIB-DH410S011 887993002460 887993004115
	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 PIB-DH310021 887993001753 887993003078
		DH310V2C	like DH310V2, but without card reader	PIB-DH310031 887993003719
		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
	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
		WLN-M1	WLAN 802.11ax kit, M2-2230, 2 antennas	POZ-WLNM11 4046047103690
		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	DL20N6	Pentium Silver N6005 "Jasper Lake"	PEB-DL20N601	887993003665
		DL20N	Celeron N4505 "Jasper Lake"	PEB-DL20N401	887993003641
		DL10J	Celeron J4005 "Gemini Lake"	PEB-DL10J001	887993001166
		DX30	Celeron J3355 "Apollo Lake"	PEB-DX30001	887993001005
	System	DL2000XA	DL20J, 128GB SSD, 4 GB	PEC-DL20N001	4046047103676
		DL2000EP	DL20J, 128GB SSD, 4 GB, Windows 11 Pro	PED-DL200EP1	4046047103683
		DL1000XA	DL10J, 120GB SSD, 4 GB	PEC-DL10J001	4046047103379
		DL1000EP	DL10J, 64 GB SSD, 4 GB, Windows 10 Pro Entry	PED-DL100EP1	4046047103386
		DX3000XA	DX30, 120GB SSD, 4 GB	PEC-DX30001	4046047103201
		DX3000EP	DX30, 32 GB SSD, 4 GB, Windows 10 Pro Entry	PED-DX300EP1	4046047103195
	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	DS20U	Celeron 5205U, fanless, HDMI 2.0a, DisplayPort, VGA, COM	PEB-DS20U001	887993003900
		DS20U3	Core i3-10110U, fanless, HDMI 2.0a, DisplayPort, VGA, COM	PEB-DS20U301	887993003917
		DS20U5	Core i5-10210U, fanless, HDMI 2.0a, DisplayPort, VGA, COM	PEB-DS20U501	887993003924
		DS20U7	Core i7-10510U, fanless, HDMI 2.0a, DisplayPort, VGA, COM	PEB-DS20U701	887993003931
		DS10U	Celeron 4205U, fanless, HDMI 2.0a, DisplayPort, VGA, COM	PEB-DS10U001 PEB-DS10U011	887993001883 887993002521
		DS10U3	Core i3-8145U, fanless, HDMI 2.0a, DisplayPort, VGA, COM	PEB-DS10U301 PEB-DS10U311	887993001876 887993002538
		DS10U5	Core i5-8265U, fanless, HDMI 2.0a, DisplayPort, VGA, COM	PEB-DS10U501 PEB-DS10U511	887993001869 887993002545
		DS10U7	Core i7-8565U, fanless, HDMI 2.0a, DisplayPort, VGA, COM	PEB-DS10U701 PEB-DS10U711	887993001852 887993002552
	System	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	PIB-DH02U001
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
DH32U			Pentium 7505, 4x HDMI 2.0b	PIB-DH32U001	887993004440
DH32U3			Core i3-1115G4, 4x HDMI 2.0b	PIB-DH32U301	887993004457
DH32U5			Core i5-1135G7, 4x HDMI 2.0b	PIB-DH32U501	887993004464
DH32U7			Core i7-1165G7, 4x HDMI 2.0b	PIB-DH32U701	887993004471



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
XPC nano (fanless)	Barebone	NS02A	Rockchip RK3368, 2G RAM, 16G Flash, 3 USB, WLAN-n	PFB-NS02A001	887993800536
		NS02E	Rockchip RK3368, 2G RAM, 16G Flash, 3 USB, WLAN-n, PoE	PFB-NS02E001	887993800543
		NS02AV2	Rockchip RK3368, 2G RAM, 16G Flash, 4 USB, WLAN-ac	PFB-NS02A031 PFB-NS02A041	887993601526 887993601595
		NS02EV2	Rockchip RK3368, 2G RAM, 16G Flash, 4 USB, WLAN-ac, PoE	PFB-NS02E041 TBA	887993601540 887993601601

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
		WLN-M1	WLAN 802.11ax kit, M2-2230, 2 antennas	POZ-WLNM11	4046047103690
		LN007	M.2 adapter, required for WLN-M	PUN-LN007	4046047103539
		PE90	External power adapter 90W / 19V	POZ-PE90E01	811686005728

Category		Product name	Description	Shuttle order no.	UPC / EAN Code
BoxPC	System	BPCWL02-i3XA	BPCWL02-i3, 0...40°C, 4GB RAM, 120GB SSD	KBH-BPCWL023XA1	4046047103652
		BPCWL02-i5WA	BPCWL02-i5, 0...40°C, 8GB RAM, 250GB SSD, Win10 Enterprise	KBK-BPCWL025WA1	4046047103669
	Barebone	BPCWL02-i3	BPCWL02-i3, 0...40°C	KBB-BPCWL02301	887993003474
		BPCWL03-i3	BPCWL03-i3, -20...60°C	TBA	887993004716
		BPCWL02-i5	BPCWL02-i5, 0...40°C	KBB-BPCWL02501	887993003481
		BPCWL03-i5	BPCWL03-i5, -20...60°C	TBA	887993004723

Category		Product name	Description	Shuttle order no.	UPC / EAN Code
PanelPC	System	P21WL01-i3XA	P21WL01-i3, 4GB RAM, 120GB SSD	KPH-P21WL013XA1	4046047103744
		P21WL01-i5WA	P21WL01-i5, 8GB RAM, 250GB SSD, Win10 Enterprise	KPK-P21WL015WA1	4046047103751
	Barebone	P21WL01-i3	P21WL01-i3	KPB-M21WL01301	887993003887
		P21WL01-i5	P21WL01-i5	KPB-M21WL01501	887993003894