

Product Overview



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Shuttle Product Overview

	Processor Socket			Soldered Processor		
	XPC cube 14L	XPC slim 3L/5L	XPC slim 1L	XPC slim/nano	XPC All-in-One	Industry PCs
						
Intel	Max. 4 hard disks (3.5"): SW580R8 With ODD bay: SH570R6 Plus	3L with ODD bay: Open front and up to five COM ports XH610 3L with 1x PCIe slot XH510G 5L with 2x PCIe slot XH610G2	Triple Display: DH610 Quad Display: DH670V2 DH770 New	Nano PC: NC40U Series NT10H Series*) New NE10N New Slim PC Core fanless DS50U-Serie Slim PC Entry fanless DL30N Quad Display (slim): DH32U Series DN11H-Series*) New	Resistive Touch Panel: X50V9 - 15.6" Capacitive Multi-Touch: P25N – 11.6" P55U – 15.6" P92U – 19.5" All models with passive cooling (fanless)	Box PC: BPCAL02 Panel PC: P15WL01 – 15.6" P21WL01 – 21.5" M21WL01 – 21.5" (Medical) Edge PC: SPCEL02 SPCEL02P (PoE) New SPCEL03 (60°C) SPCEL12 All models with passive cooling (fanless)
AMD				Nano PC: NA10H Series*) New		
ARM				Nano PC with Android: NS02EV2 – with PoE NS03A – Standard		

*) AI-PC with NPU

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 10 / Gen 11 "Comet Lake" and "Rocket Lake" Supports Windows 10/11 and Linux	
SW580R8 Supports ECC, vPro, Xeon,...	SH570R6 Plus With drive doors
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 4x 3.5" bay 2x M.2-2280 slot RAID support 1x HDMI 2.0b 2x DP 1.4 (Triple Display) 4x USB 3.2 Gen 2 4x USB 3.2 Gen 1 4x USB 2.0 2x Intel 1G LAN 2x RTL 2.5G LAN 500 W PSU	Intel H570 Chipset Socket LGA1200 max. 4x 32 GB DDR4-3200 DIMM PCIe X16 v4.0 PCIe X4 v3.0 1x 5.25" bay 2x 3.5" bay 1x M.2-2280 slot RAID support 1x HDMI 2.0b 2x DP 1.4 (Triple Display) 4x USB 3.2 Gen 2 4x USB 3.2 Gen 1 4x USB 2.0 2x Intel 1G LAN 500 W PSU

XPC cube Chassis Designs

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)

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)

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

Optional Accessories:

COM port 	Dual 2.5" bay
H-RS232 for all models	PHD3 for all models
WLAN kit 	Button cable
WLN-M1 for all models	CXP01 for SH5xx Series
850 W power 	Graphic Cards at least a 500 W power supply is required. Further info: global.shuttle.com
PC850	

Shuttle XPC slim – 3/5-litre

Supports Intel Core processors, TDP max. 65W supports Win10/11, Linux		
Socket LGA1700 Gen. 12-14 "Alder/Raptor Lake"		Socket LGA1200 Gen. 10 / 11 "Comet/Rocket Lake"
XH610G2	XH610	XH510G
PCI-Express X16 (Dual Slot) VESA mount included	Dual LAN, Dual COM Without drive doors	PCI-Express X16 (Single Slot) VESA mount included
		
		
Intel H610 chipset max. 2x 32 GB DDR5-5600 SO-DIMM Two PCIe Slots: X16 + X1 1x 2.5" bay 2x M.2-2280 slot 2x HDMI 2.0b DisplayPort 1.4 4x USB 3.2 Gen 1 4x USB 2.0 2x LAN (Intel 2.5G + 1G) optional: 1x COM or VGA 180 W power supply	Intel H610 chipset max. 2x 32 GB DDR4-3200 SO-DIMM Slimline ODD bay 2x 2.5" bay M.2-2280 slot HDMI 2.0b DisplayPort 1.4a, D-Sub/VGA 4x USB 3.2 Gen 1 (1x Type-C) 4x USB 2.0 2x LAN (Intel 1G + 2.5G) 2x COM-Port 120 W power supply	Intel H510 chipset max. 2x 32 GB DDR4-3200 SO-DIMM One PCIe Slot: X16 1x 2.5" bay 2x M.2-2280 slot HDMI 2.0a DisplayPort 1.4 4x USB 3.2 Gen 1 4x USB 2.0 1x LAN (Intel) optional: 1x COM or VGA 180 W power supply

Optional Accessories:

	Stand	VESA mount	COM port	VGA port	3.5" kit	WLAN kit	LTE kit	Button cable	Triple COM	ODD bay cover	Power Upgrade
Description											
Order No.	PS01	PV02	PCP11	PVG01	PHD4	WLN-M1	WWN03	CXP01	PCM31	MY01	PRC01+PE180
Compatibility	H610(V)	XH610(V)	XH510G XH510G2 XH610G2	XH510G XH510G2 XH610G2	XH610(V)	All above models	XH510G2, XH610G2 XH610(V)	All above models	XH610	XH610V	XH510G2 XH610G2

Heatpipe Cooling



More Power for XH610G2

By default, XH610G2 supports graphics cards with max. 75 Watts TDP. However, the PC can be optionally upgraded with a second 180W power adapter "PE180" in combination with the riser card "PRC01" – then even graphics cards with up to 225 Watts are supported.



Shuttle XPC slim – 1-litre with fan

Intel Core Gen 12-14 "Alder/Raptor Lake-S", Socket LGA1700, max. 65W TDP Windows 10/11 and Linux		
DH770 New Quad Display (2x HDMI/2x DP)	DH670V2 Quad Display (2x HDMI/2x DP)	DH610 Mainstream Version Triple Display
		
Intel H770 Chipset max. 2x 32 GB *) DDR5-5600 SO-DIMM	Intel H670 Chipset max. 2x 32 GB *) DDR4-3200 SO-DIMM	Intel H610 Chipset max. 2x 32 GB *) DDR4-3200 SO-DIMM
1x 2.5" bay M.2-2280 slot	1x 2.5" bay M.2-2280 slot	1x 2.5" bay M.2-2280 slot
2x HDMI 2.0b 2x DisplayPort 1.4	2x HDMI 2.0b 2x DisplayPort 1.4	1x HDMI 2.0b 2x DisplayPort 1.4
4x USB 3.2 Gen 2 4x USB 3.0 (1x Type-C) 2x LAN 2.5G (Intel) 2x COM-Port	4x USB 3.2 Gen 2 4x USB 3.0 (1x Type-C) 2x LAN 2.5G (Intel) 2x COM-Port	4x USB 3.2 Gen 1 4x USB 2.0 2x LAN 1G+2.5G (Intel) 2x COM-Port
VESA mount	VESA mount	VESA mount
120W power adapter	120W power adapter	120W power adapter



Common features: Approved for 24/7 permanent operation, Supports processors up to 65W TDP, 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
*) In combination with an Intel Core Gen 13/14 "Raptor Lake" processor two 48 GB RAM modules are also supported.

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-M1	DIR01	PRM01	WWN03
Compatible with	all above models	all above models	DH410S,DH610S	all above models	all above models	all above models	all above models	all above models

Shuttle XPC slim – 1-litre fanless

Intel Core ULV DS50U Series the DS20UV2-Successor	Intel Entry Level DL30N the DL20N-Successor
	
Alder/Raptor Lake-U (Gen 12/13) DS50U: Celeron 7305 DS50U3: Core i3-1315U DS50U5: Core i5-1335U DS50U7: Core i7-1355U max. 2x 32 GB **) DDR5-4800/5200 SO-DIMM 1x 2.5" bay 2x M.2-2280 slot	Intel "Alder Lake-N" DL30N: N100 (4-core) max. 1x 16 GB DDR5-4800, SO-DIMM 1x 2.5" bay M.2-2280 slot
HDMI 2.0b DisplayPort 1.4 D-Sub / VGA	HDMI 2.0b DisplayPort 1.4a D-Sub/ VGA
2x USB 3.2 Gen 2 4x USB 3.2 Gen 1 2x USB 2.0 2x LAN (Intel 1G+2.5G) 1x COM-Port	8x USB 3.2 Gen 1 2x LAN (Intel 2.5G) 2x COM-Port
Prepared for WLAN *) 90 W power adapter AC plug: 3 pins Dimensions (LWH): 20 x 16.5 x 3.95 cm = 1.3 L	— 65 W power adapter AC plug: 3 pins Dimensions (LWH): 19 x 16.5 x 4.3 cm = 1.35 L

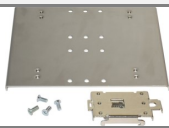
***)** DS50U series: two WLAN cables pre-installed (no WLAN card, no antennas)

****)** DS50U supports max. 2x 32 GB RAM. DS50U3, DS50U5 and DS50U7 supports max. 2x 48 GB RAM.



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

Optional Accessories:

Stand	Button cable	WLAN kit
		
PS02 for DL30N	CXP01 for all models	WLN-M1 for all models
4G Kit w/o 4G module	4G/5G Kit w/o 4G/5G module	
		
WWN03 for DS20U/DL30N	WWN04 for DS50U	
COM Port	Rack mount kit	DIN-Rail Kit
		
PCP11 for DS20U/DS50U	PRM01 for all models	DIR01 for all models

DS50U:
Heatpipe cooling
without fan



DL30N:
Passive cooling (fanless)



Shuttle XPC slim – 1-litre / SoC CPU / 4 displays

	DH32U Series	AI-PC with NPU DN11H-Series New
		
Models	Intel Core Gen11 (Tiger Lake) DH32U: Intel Pentium 7505 DH32U5: Intel Core i5-1135G7	Intel Core Ultra (Meteor Lake) DN11H5: Intel Core Ultra 5-125H DN11H7: Intel Core Ultra 7-155H DN11H9: Intel Core Ultra 9-185H
AI Performance	—	NPU / Overall: 11.5 / 34 TOPS
OS Support	Windows 10/11 and Linux	Windows 11 and Linux
RAM Support	max. 2x 32 GB DDR4-3200 SO-DIMM	max. 2x 48 GB DDR5-5600 SO-DIMM
2.5" Bay	1x 2.5" bay	—
M.2 SSD Slots	1x M.2-2280 slot	3x M.2-2280 Slot supports RAID 0,1,5
Card Reader	Yes	—
Graphic Ports	4x HDMI 2.0b supports 4 UHD Displays	2x HDMI 2.1 2x DisplayPort 1.4 supports 4 UHD Displays
LAN Ports	2x 1G LAN (Intel i211)	4x 2.5 Gbit/s (Intel 226LM)
USB Ports	4x USB 3.2 Gen 2 (10G) 4x USB 3.2 Gen 1 (5G)	2x USB 3.2 Gen2x2 Type-C (20G) 6x USB 3.2 Gen2 (10G)
COM Ports	2x RS232 (1x RS422/485)	—
Audio Ports	Mic-in, Line-out	Mic-in, Line-out
WLAN	— (optional)	— (optional)
Power Adapter	90 W	120 W
Mounting	VESA Mount	VESA Mount
Dimensions (LWH)	19 x 16.5 x 4.3 cm = 1.35 L	19 x 16.5 x 4.3 cm = 1.35 L
Operating Temp.	0 - 50 °C	0 - 50 °C



Approved for 24/7
permanent operation

Supports four UHD Displays:



Optional Accessories:

WLAN kit	Stand	Button cable	Rack mount kit
			
WLN-M1	PS02	CXP01	PRM01

DI-Rail Kit	VGA Port	4G adapter w/o 4G module	4G/5G adapter w/o 4G/5G module
			
DIR01	PVG01 for DH32Ux	WWN03 for DH32Ux	WWN04 for DN11Hx

Shuttle XPC nano – 0.6~1.0 litre



Approved
for 24/7
permanent
operation

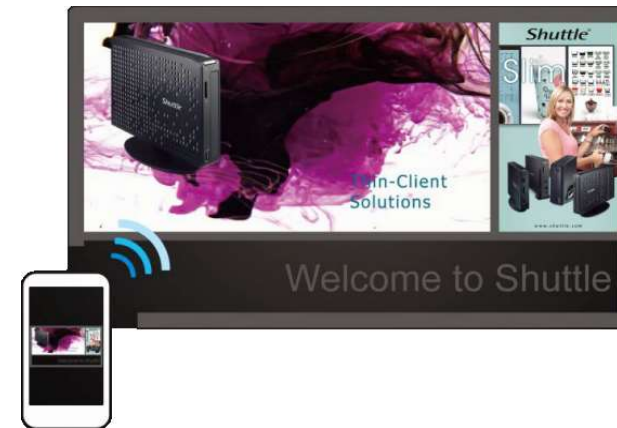
	NC40U-Series	AI-PC with NPU NT10H-Series New	AI-PC with NPU NA10H7 New	Entry Level, Fanless NE10N New
	 	 	 	 
Models	Intel Alder Lake-U (Gen. 12) NC40U: Intel Celeron 7305 NC40U3: Intel Core i3-1215U NC40U5: Intel Core i5-1235U NC40U7: Intel Core i7-1255U	Intel Meteor Lake NT10H5: Intel Core Ultra 5-125H NT10H9: Intel Core Ultra 9-185H	AMD Hawk Point (Zen 4) NA10H7: AMD Ryzen 7-8845HS	Intel Alder Lake-N (Gen. 12) NE10N: Intel N100
Cooling	With fan	With fan	With fan	Fanless
AI Performance	—	NPU / Overall: 11.5 / 34 TOPS	NPU / Overall: 16 / 39 TOPS	—
OS Support	Windows 10/11 and Linux	Windows 11 and Linux	Windows 11 and Linux	Windows 11 and Linux
RAM Support	max. 2x 32 GB DDR4-2400 SO-DIMM	max. 2x 48 GB DDR5-5600 SO-DIMM	max. 2x 48 GB DDR5-5600 SO-DIMM	max. 1x 16 GB DDR4-2400 SO-DIMM
2.5" Bay	1x 2.5" bay (up to 15 mm)	—	—	—
M.2 SSD Slots	2x M.2-2280 Slot (RAID-Support)	1x M.2-2280 Slot	1x M.2-2280 Slot	1x M.2-2280 Slot
Card Reader	—	Yes	Yes	—
Graphics Ports	HDMI 2.0b DisplayPort 1.4a USB-C supports DP 1.4a	2x HDMI 2.0 2x DisplayPort 1.4 (USB-C) supports 4 UHD Displays	2x HDMI 2.0 2x DisplayPort 1.4 (USB-C) supports 4 UHD Displays	1x HDMI 2.0 1x DisplayPort 1.4 supports 2 UHD Displays
LAN Ports	1x 1.0 Gbps (Intel i219)	2x 2.5 Gbps (Intel 226V)	2x 2.5 Gbps (RTL8125B)	1x 1.0 Gbps (Motorcomm)
USB Ports	2x USB 3.2 Gen2 5x USB 3.2 Gen1 (1x Type-C)	2x USB4 Type-C (DP 1.4, PD 3A) 5x USB 3.2 Gen2, 1x USB 2.0	2x USB4 Type-C (DP 1.4, PD 3A) 5x USB 3.2 Gen2, 1x USB 2.0	4x USB 3.2 Gen2 2x USB 2.0
WLAN	— (pre-installed antennas)	— (pre-installed antennas)	— (pre-installed antennas)	— (pre-installed antennas)
Power Adapter	65 W	120 W	120 W	65 W
Mounting	Stand, VESA Mount	VESA Mount	VESA Mount	VESA Mount
Dimensions (LWH)	142 x 142 x 42 mm = 0.85 L	132 x 143 x 55 mm = 1.0 L	132 x 143 x 55 mm = 1.0 L	135 x 115 x 39 mm = 0.6 L
Operating Temp.	0 - 40 °C	0 - 40 °C	0 - 40 °C	0 - 40 °C

Shuttle XPC nano – 0.6-litre fanless

Ideal as Digital Signage Media Player		
Product	NS02EV2	NS03A
	Powered-over-Ethernet (PoE)	Powered over power adapter
Photo		
OS	Android 8.1	Android 11
CPU	Rockchip RK3368 max. 1.5 GHz, 28 nm	Rockchip RK3568 max. 2.0 GHz, 22 nm
Graphics	PowerVR SGX6110, 600 MHz	Mali G52, 800MHz
RAM	RAM: 2 GB DDR3L	RAM: 2 GB DDR4
eMMC SSD	16 GB	32 GB
M.2 slot	—	M.2-2280M (SATA/PCIe X2)
HDMI	HDMI 2.0 (1920x1080@30/60Hz)	HDMI 2.0 (3840x2160@60Hz) HDMI 1.4 (1920x1080@60Hz)
USB	4x USB 2.0	2x USB 2.0 2x USB 3.2 Gen 1
LAN	1 Gbit/s, RTL8211F-CG	1 Gbit/s, RTL8211E-VB-CG
WLAN	802.11ac + BT 5.0	802.11ac + BT 5.2
Card reader	Yes	Yes
Audio	Line-out (3-pin)	Combo (4-pin)
DC Power	Power-over-Ethernet (PoE) *)	36W (12V/3A) power adapter
Size	141 x 141 x 29 mm (577 ml)	141 x 141 x 29 mm (577 ml)



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



Shuttle Software included:

Shuttle DS Player
Installed on the Nano PC

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

*) Note: no power adapter is supplied with NS02EV2.

Shuttle XPC aio – fanless All-in-One PCs

P25N New	X50V9 Series	P55U Series	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
Alder Lake-N (Gen. 12) P25N: Intel Processor N100	Alder/Raptor Lake-U (Gen. 12/13) X50V9: Intel Celeron 7305 X50V9U3: Intel Core i3-1315U	Alder/Raptor Lake-U (Gen. 12/13) P55U: Intel Celeron 7305 P55U3: Intel Core i3-1315U	Comet Lake-U (Gen. 10) P92U: Intel Celeron 5205U P92U3: Intel Core i3-10110U
max. 1x 16GB DDR5 SO-DIMM 2.5" bay supports SATA HDD M.2-2280 slot for M.2 SSDs	max. 2x 32GB DDR5 SO-DIMM 2.5" bay supports SATA HDD M.2-2280 slot for M.2 SSDs	max. 2x 32GB DDR5 SO-DIMM 2.5" bay supports SATA HDD M.2-2280 slot for M.2 SSDs	max. 2x 32GB DDR4 SO-DIMM 2.5" bay supports SATA HDD M.2-2280 slot for M.2 SSDs
HDMI 2.0b, VGA 2x USB 3.2 Gen 2 (10G) 4x USB 3.2 Gen 1 (5G) LAN (2.5G), 2x Audio 2x COM	HDMI 2.0b, VGA 6x USB, LAN (1G), 2x Audio, optional: COM ports	HDMI 2.0b, VGA, 6x USB, 2x COM LAN (1G), 2x Audio	HDMI 1.4b, VGA 6x USB, SD Cardreader LAN (1G), 2x Audio optional: 2x COM
WLAN-ac, BT 4.2	WLAN-ac, BT 4.2	WLAN-ac, BT 4.2	WLAN-ac, BT 4.2



Common features:

- Supports Windows 10/11 & Linux (64-bit)
- 2.5" bay supports one SSD or hard disk drive (max. 9.5 mm height), exception: P55U(3)
- M.2-2280 slot supports SSD card with SATA or PCIe
- Webcam, Speaker, Microphone
- Power adapter
DC-input supports 12V±5% or 19V±5%

Optional Accessories:

Description	COM port (1 pcs. / 2 pcs.)	2x COM, LPT	WLAN kit	VESA Stand
				
Order No.	PCP11 / PCP21	PCL71	WLN-M1	POV21
Compatible with	P25U and X50V9 series	X50V8 and P92U series	all above models	all above models

Shuttle Industrial PanelPCs

Display	21.5" (54.6 cm)		15.6" (39.6 cm)	
Model	P21WL01 Blue	M21WL01 White	P15WL01 Blue	P15WL01 White
Application	Industry (24/7)	Medical (27/7)	Industry (24/7)	Industry (24/7)
Color front	Black	White	Black	White
Color rear	Darkblue	White	Darkblue	White
Chassis coating	—	Anti-Septic	—	Anti-Septic
CPU Options	Core i3-8145UE Core i5-8265U Core i5-8365UE (vPro) Core i7-8665UE (vPro)	Core i5-8365UE (vPro)	Core i5-8365UE (vPro)	Core i5-8365UE (vPro)
I/O Ports	HDMI 1.4, DVI-I 4x USB 3.2 Gen 1 2x Intel Gigabit LAN 3x COM, 2x Audio		HDMI 1.4, VGA 4x USB 3.2 Gen 1, 4x USB 2.0 2x Intel Gigabit LAN 1x COM, 2x Audio	
POAG Port *)	No (optional only)	Yes	No (optional only)	No (optional only)
Power Adapter	90W (IEC 62368)	90W (IEC 60601)	90W (IEC 62368)	90W (IEC 62368)
DC-Input	Supports 19V (9-36V optional)		Supports 9-36V	
Memory/Storage	2x SO-DIMM (max. 2x 32 GB DDR4) 1x M.2-2280 Slot for SSD (NVMe or SATA) 1x 2.5" Bay for SATA-SSD		2x SO-DIMM (max. 2x 32 GB DDR4) 1x M.2-2280 Slot for SSD (NVMe or SATA)	
WLAN	WLAN-ac / BT4.2, 2x internal antenna		WLAN-ac / BT4.2, 2x external antenna	
Operating Temperature	0 – 40 °C		0 – 40 °C	
Dimensions	543 x 334 x 49.9 mm (WHD)		394,3 x 256,2 x 48.9 mm (WHD)	
Front View				
Rear View				



- ✓ Fanless, quiet and virtually maintenance-free
- ✓ Approved for 24/7 permanent operation
- ✓ Durable and rugged chassis with Backpanel Cover (Rear cover thickness: 3 mm)
- ✓ IP65 protection (front only)
- ✓ Capacitive 10-point multi-touch
- ✓ Display resolution: 1920 x 1080 FHD
- ✓ 100x100 mm VESA mountable (without mount/stand)
- ✓ Supports Windows 10/11 (64-bit) und Linux (64-bit)
- ✓ M21WL01 is a medical PanelPC with anti-septic coating, POAG pin and medical power adapter (IEC 60601-1)
- ✓ White version with anti-septic coating based on an inorganic zinc compound (front panel) and epoxy/polyester resin (rear chassis)
- ✓ Hardware TPM 2.0 Chip, FullHD 1080p Webcam, 2x 2W speakers

Optional
VESA Stand
POV21



POAG: Potential Equalization Pin according to DIN 42801 - the POAG cable is included (3 m)

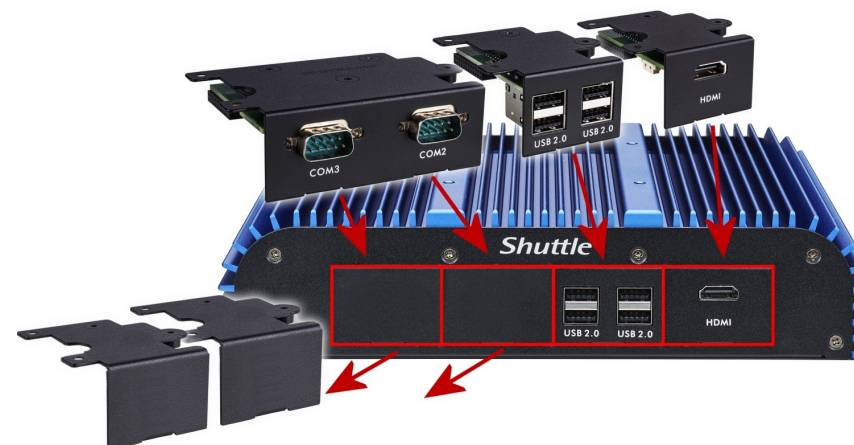
Shuttle Industrial BoxPCs

	BPCWL02 Series	BPCAL02 Series New
Intel ULV Processor Passive Cooling System	Intel Core Gen 8 "Whiskey Lake-U" BPCWL02-i3 Core i3-8145UE BPCWL02-i5 Core i5-8365UE BPCWL02-i7 Core i7-8665UE	Intel Core Gen 12 "Alder Lake-U" BPCAL02-i3 Core i3-1215U BPCAL02-i5 Core i5-1235U BPCAL02-i7 Core i7-1255U
RAM Memory	max. 2x 32 GB DDR4-2400 SO-DIMM	max. 2x 32 GB DDR5-4800 SO-DIMM
Grafik ports	max. 3 graphics ports (HDMI 1.4 + HDMI 2.0/DP + VGA)	max. 4 graphics ports (allows up to four UHD ports)
LAN ports	2x Gigabit LAN (Intel i211/i219)	2x 2.5G LAN (Intel i226V)
USB 3.2	4x USB 3.2 Gen1 (5 Gbps)	4x USB 3.2 Gen2 (10 Gbps)



- ✓ Fanless, quiet and virtually maintenance-free
- ✓ Approved for 24/7 permanent operation
- ✓ Durable and rugged chassis
- ✓ Several optional expansion kits
- ✓ EN 50155:2017 (13.4.4~13.4.7) and MIL-STD-810G:2008 (514.6/516.6 proc I)

Common Features		
Operation Temperature	0 – +40 °C	-20 – +60 °C (Optional)
Power Adapter	90 W	150 W (PA1501)
Chassis Color	Cover: Blue, Front/Rear: Black	
Chassis Material	Rugged Aluminum Chassis	
24/7	Approved for 24/7 permanent operation	
IP Standard	IP30	
OS Support	Supports Windows 10/11 and Linux (64-bit only)	
Storage Support	M.2-2280 slot for SSD cards	
I/O Ports (Back Panel)	HDMI 2.0 (BPCWL02: HDMI 1.4), 4x USB 3.2, 2x Intel LAN 1x COM (RS232), 2x Audio Ports (Microphone / Headphones)	
Optional I/O Ports (Front Panel)	HDMI 2.0/1.4 (DHD11/DHD01), DisplayPort 1.2 (DDP01), DVI-I (DDV01), D-Sub/VGA (DVG01) RS232 (CRS01), 2x RS232/422/485 (CSD01) 4x USB 2.0 (USB01), 2x/4x 2.5G LAN Ports (LAN22/LAN42) LTE-Adapter/Antennas (LTE01) - without M.2 card Digital Input/Output 4+4 (DIO11) Input for car ignition signal for delayed power on/off (DHD01) Connector for ext. Power-Button/DC-Input (PWR01/PDC01)	
Optional WLAN	WLAN kit with two external antennas Wi-Fi 6 - Intel WLAN-ax and BT 5.2 (CWL01)	
Optional Mounting Options	1) 75x75 mm VESA mountable (VESA mount not included) 2) Ear Mount Brackets on both sides (MRS01) 3) Mounting with 35mm DIN Rail Bracket (MDR01)	
DC-Input Voltage Range	Default: 19V DC-Input can optionally be extended to support 9-36 V (VOL01)	
Dimensions / Weight	16.9 x 24.5 x 5.7 cm (LWH) = ca. 2.7 L, Net weight: 2.85 kg	



Front View (Configuration example)
Dummy brackets can be exchanged for optional I/O ports



Rear View (Back Panel)

Shuttle Industrial Edge PCs

	SPCEL02(P)	SPCEL03	SPCEL12
Front View			
Back View			
Colour	Turquoise (blue-green)	Dark Grey	Purple
Processor	Intel Celeron J6412 4-core, 2.0-2.6 GHz, 10W	Intel Atom x6413E 4-core, 1.5-3.0 GHz, 9W	Intel Celeron J6412 4-core, 2.0-2.6 GHz, 10W
Operation Temperature	0 ... 40 °C	-20 ... 60 °C	0 ... 40 °C
OS Support	Windows 10/11, Linux		Windows 10/11, Linux
Connectors	1x HDMI 2.0b		2x HDMI 2.0b 1x DisplayPort 1.4
	2x USB 3.2 Gen2 1x USB 2.0 2x 2.5G LAN (Intel 226V)		2x USB 3.2 Gen2 1x USB 2.0 2x 2.5G LAN (Intel 226V)
	Digital Input/Output (4+4) 1x COM (RS232/422/485)		2x Audio Micro-SD Card Reader Nano SIM Slot
	DC Input: Terminal Block with 2.5/5.5 mm adapter included *) Power Button & LED		DC Input (2.5/5.5 mm plug) Power Button & LED
RAM Slot	SO-DIMM slot supports DDR4-3200 (max. 32 GB)		
M.2 SSD Slot	M.2-2242/2280 slot supports M.2-SSD with SATA Interface		
M.2 WLAN Slot	M.2-2230 slot support WLAN module with 2 external antennas (If WLAN is installed, then M.2-SSD card must be M.2-2242 format)		
4G Card Slot	—		M.2-3042 slot supports 4G card with two antennas (either WLAN or 4G is possible)
DC Input	supports 12-24V DC (wide range)		supports 12-20V DC
VESA Mount	50 x 50 and 100 x 100 mm		100 x 100 mm
DIN Rail Mount	DIN Rail Clip included		—
Power Adapter	—		65 W / 19 V Adapter
PoE	Version SPCEL02P supports PoE(PD) **)		—



- ✓ Fanless, quiet and virtually maintenance-free
- ✓ Approved for 24/7 permanent operation
- ✓ Durable and rugged aluminum chassis
- ✓ Volume only 450 ml
- ✓ EN 50155 OT1, EN 50121-3-2, MIL-STD-810G compliance

The **Shuttle SPCELxx Edge PC Series** are fanless IPC barebones in a robust 450 ml metal chassis which are powered by an Intel SoC processor of the “Elkhart Lake” generation.

The barebone supports the following components: DDR4 RAM, M.2 SSD (SATA) and WLAN module

SPCEL02 is intended for DIN rail mounting, e.g. in a switch cabinet with an existing DIN rail power supply.

SPCEL03 also supports a ext. temperature range.

SPCEL12 support three UHD displays and optional mobile 4G network connection.

Optional Accessories:

	WLAN kit	Power Adapter	2.5" Bay for SATA devices
Description			
Order No.	WLN-M3	PE65 / PE90	Coming soon

*) SPCEL02/03 comes with 3-pin terminal connector with terminal block – the third pin “IGN” acts as input for the car ignition lock which enables delayed on/off switching of the Edge PC.

**) SPCEL02P: The PoE feature allows this Edge PC to be powered over the LAN cable and thus it becomes a “Powered Device” (PD).

Power Supply



Product	Output Wattage	Compatibility
PE90 PE120	90 W 120 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
PC850	850 W (80+)	SW580R8, SH570R8, SH570R6 (Plus), SH510R4

I/O Expansion



Product	Type	Connectors	Compatibility
H-RS232	Adapter cable	1x serial	SA76R4, SH67H3/H7, SH61R4, SZ68R5, SZ77R5, SX79R5, SH81R4, SH/SZ87R6, SH97R6, SH110R4, SH170R6, SZ170R8(V2), SZ270R8/R9, SH3xxRx, SH5xxRx, P20U
PCP11	Adapter cable	1x serial	P20U, P22U, P51U, P52U, DS10Ux, DS20Ux, XH410G, XH510G(2), X50V9(U3)
PCP21	Adapter cable	2x serial	P20U, P22U, P51U, P52U
PCL71	Adapter card	2x serial, 1x parallel	Shuttle XPC aio (All-in-One) X50V4, X50V5, X50V6, X50V7, P90U
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)/XH610

VESA Kit & Stand



Product	Type	Material	Compatibility
PV02	VESA kit	Metal	XG41, XH61(V), XH81(V), XH97V, XH110(V), XH170V, XH270, XH310(V), XH610(V), XC60J
PV04	VESA kit	Metal	Shuttle XPC slim DH110SE, DH310S, DH410S, DH610S
PS01	Vertical stand	Plastic	XG41, XH61(V), XH81(V), XH97V, XH110(V), XH170V, XH270, XH310(R)(V), XH610(V), XC60J
PS02	Vertical stand	Metal	DX30, DL10J, DL20N, DS61, DS81(L), DH1xx, DQ170, DH270, DH3xx, DH4xx, DH6xx, DH02Ux
PRM01	Rackmount kit	Metal	DH02Ux, DH110, DH110SE, DH170, DH270, DH3xx, DH4xx, DH6xx, DL10J, DL20N, DQ170, DS407(T), DS437(T), DS47, DS57Ux, DS61, DS67Ux, DS68U, DS77Ux, DS10Ux, DS20Ux, DS81, DS81L, DX30(V2)
DIR01	DIN-Rail kit	Metal	
POV21	Dual VESA stand	Metal	Shuttle AIO PCs: X50V4...X50V9, P20U, P22U, P51U, P52U, P90U, P92U Shuttle Panel-PCs: P21WL/ALxx, P15WL/ALxx

Other



Product	Type	Compatibility
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), XH610(V)
WLN-M1	WLAN kit with 2 antennas (M.2-2230 card)	NC02/03Ux, NC10Ux, DH1xx-DH6xx Series, XH1xx-XH6xx Series, XC60J, DX30, DL20N(6), DS20Ux, DH02Ux, DH32Ux SH110R4, SZ170R8V2, SZ270Rx, SH3xxRx, SH5xxRx, EN01Jx
WLN-M3	WLAN kit with 2 antennas (M.2-2230 card)	Shuttle Edge PC Series SPCEL02, SPCEL02P, SPCEL03, SPCEL12
WWN01	4G kit with antennas without 4G module	DL10J, EN01-Series
WWN03	4G kit with antennas without 4G module	DH32U, DH4xx, DH6xx, XH510G(2), XH610(V), DL20N(6), DS10Ux, DS20Ux
WWN04	4G/5G kit with antennas without 4G/5G module	DS50U series, X50V9 series

Overview: Intel Core Desktop Processors

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

12th Generation “Alder Lake-S” LGA 1700, for PC's with 600 series chipset

Name	Model	P-Cores		E-Cores		Smart Cache [MB]	Base TDP [W]
		Cores Threads	Clock/ Turbo [GHz]	Cores	Clock/ Turbo [GHz]		
Core i9	12900K	8 / 16	3.2-5.1	8	2.4-3.9	30	125
	12900KF	8 / 16	3.2-5.1	8	2.4-3.9	30	125
	12900	8 / 16	2.4-5.0	8	1.8-3.8	30	65
	12900F	8 / 16	2.4-5.0	8	1.8-3.8	30	65
	12900T	8 / 16	1.4-4.8	8	1.0-3.6	30	35
Core i7	12700K	8 / 16	3.6-4.9	4	2.7-3.8	25	125
	12700KF	8 / 16	3.6-4.9	4	2.7-3.8	25	125
	12700	8 / 16	2.1-4.9	4	1.6-3.6	25	65
	12700F	8 / 16	2.1-4.9	4	1.6-3.6	25	65
	12700T	8 / 16	1.4-4.6	4	1.0-3.4	25	35
Core i5	12600K	6 / 12	3.7-4.9	4	2.8-3.6	20	125
	12600KF	6 / 12	3.7-4.9	4	2.8-3.6	20	125
	12600	6 / 12	3.3-4.8	–	–	18	65
	12600T	6 / 12	2.1-4.6	–	–	18	35
	12500	6 / 12	3.0-4.6	–	–	18	65
	12500T	6 / 12	2.0-4.4	–	–	18	35

Core i5	12400	6 / 12	2.5-4.4	–	–	18	65
	12400F	6 / 12	2.5-4.4	–	–	18	65
	12400T	6 / 12	1.8-4.2	–	–	18	35
Core i3	12300	4 / 8	3.5-4.4	–	–	12	60
	12300T	4 / 8	2.3-4.2	–	–	12	35
	12100	4 / 8	3.3-4.3	–	–	12	60
	12100F	4 / 8	3.3-4.3	–	–	12	58
	12100T	4 / 8	2.2-4.1	–	–	12	35
Pentium Gold	67400	2 / 4	3.7	–	–	6	46
	67400T	2 / 4	3.1	–	–	6	35
Celeron	66900	2 / 2	3.4	–	–	4	46
	66900T	2 / 2	2.8	–	–	4	35

13th Generation “Raptor Lake-S” LGA 1700, for PC's with 600/700 series chipset

Name	Model	P-Cores		E-Cores		Smart Cache [MB]	Base TDP [W]
		Cores Threads	Clock/ Turbo [GHz]	Cores	Clock/ Turbo [GHz]		
Core i9	13900KS	8 / 16	3.2-6.0	16	2.4-4.3	36	150
	13900K	8 / 16	3.0-5.8	16	2.0-4.3	36	125
	13900KF	8 / 16	3.0-5.8	16	2.0-4.3	36	125
	13900F	8 / 16	2.0-5.2	16	1.5-4.2	36	65
	13900T	8 / 16	2.0-5.2	16	1.5-4.2	36	65
	13700K	8 / 16	1.1-5.1	8	0.8-3.9	30	35
	13700KF	8 / 16	3.4-5.4	8	2.5-4.2	30	125
Core i7	13700	8 / 16	3.4-5.4	8	2.5-4.2	30	125
	13700F	8 / 16	2.1-5.1	8	1.5-4.1	30	65
	13700T	8 / 16	2.1-5.1	8	1.5-4.1	30	65
	13600K	6 / 12	1.4-4.8	8	1.0-3.6	20	35
	13600KF	6 / 12	3.5-5.1	8	2.6-3.9	20	125
Core i5	13600	6 / 12	3.5-5.1	8	2.6-3.9	20	125
	13600T	6 / 12	2.7-5.0	8	2.0-3.7	24	65
	13500	6 / 12	1.8-4.8	8	1.3-3.4	24	35
	13500T	6 / 12	2.5-4.8	8	1.8-3.5	24	65
	13400	6 / 12	1.6-4.6	8	1.2-3.2	24	35
	13400F	6 / 12	2.5-4.6	4	1.8-3.3	20	65
	13400T	6 / 12	2.5-4.6	4	1.8-3.3	20	65
Core i3	13100	4 / 8	1.3-4.4	–	1.0-3.0	12	35
	13100F	4 / 8	3.4-4.5	–	–	12	60
	13100T	4 / 8	3.4-4.5	–	–	12	58

14th Generation “Raptor Lake-S Refresh” LGA 1700, for PC's with 600/700 series chipset

Name	Model	P-Cores		E-Cores		Smart Cache [MB]	Base TDP [W]
		Cores Threads	Clock/ Turbo [GHz]	Cores	Clock/ Turbo [GHz]		
Core i9	14900K	8 / 16	3.2-5.6	16	2.4-4.4	36	125
	14900KF	8 / 16	3.2-5.6	16	2.4-4.4	36	125
	14900	8 / 16	2.0-5.4	16	1.5-4.3	36	65
	14900F	8 / 16	2.0-5.4	16	1.5-4.3	36	65
	14900T	8 / 16	1.1-5.1	16	0.8-4.0	36	65
Core i7	14700K	8 / 16	3.4-5.6	8	2.5-4.3	36	35
	14700KF	8 / 16	3.4-5.6	8	2.5-4.3	33	125
	14700	8 / 16	2.1-5.3	8	1.5-4.2	33	125
	14700F	8 / 16	2.1-5.4	8	1.5-4.2	33	65
	14700T	8 / 16	1.3-5.0	8	0.9-3.7	33	65
Core i5	14600K	6 / 12	3.5-5.3	8	2.6-4.0	24	35
	14600KF	6 / 12	3.5-5.3	8	2.6-4.0	24	125
	14600	6 / 12	2.7-5.2	8	2.0-3.9	24	125
	14600T	6 / 12	1.8-5.1	8	1.3-3.6	24	65
	14500	6 / 12	2.6-5.0	8	1.9-3.7	24	35
	14500T	6 / 12	1.7-4.8	8	1.2-3.4	24	65
	14400	6 / 12	2.5-4.7	8	1.8-3.5	20	35
Core i3	14400F	6 / 12	2.5-4.7	4	1.8-3.5	20	65
	14400T	6 / 12	1.5-4.5	4	1.1-3.2	20	65
	14100	4 / 8	3.5-4.7	–	1.0-3.0	12	35
	14100F	4 / 8	3.5-4.7	–	–	12	60
	14100T	4 / 8	2.7-4.4	–	–	12	58

Important notes:

K = unlocked – this function is not supported by current XPC products

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](https://www.shuttle.com/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 SH610R4	SH110R4 SH170R6 SZ270R8 SZ270R9
XPC slim 3L/5L	XH310(V), XH310R(V), XH610(V) XH410G, XH510G(2), XH610G2	XH110/XH110V XH110G XH270
XPC slim 1L With Fan	DH310(S)(V2), DH370 DH410(S)(L), DH470(L) DH670(V2), DH610(S) DA320, DH32U, DN11H	DH110, DH110SE DQ170 DH270 DH02U
XPC slim 1L Fanless	DS10U DS20U(V2) DS50U DL10J DL20N(V2) DL30N	DS68U DS77U DX30 XC60J
XPC Nano	NC10U, NC40U NA10H, NT10H	NC02U NC03U
XPC All-in-One	X50V7(L), X50V8, X50V9 P51U, P52U, P55U P92U P22U, P25N	X50V6 P20U P90U
Edge PC	SPCEL02/03/03P/12	EN01J3/J4
Box-PC	BPCWL02, BPCAL02	
Panel-PC	P21WL01, M21WL01, P15WL01 P21AL01, M21AL01 P15AL01, M15AL01	

Category	Product Name	Shuttle SKU Code (Order Number)	UPC Code	Selling-Period Shuttle EU	Customs HS Code*	Origin	AC Power Plug Type	Single Box Net/Gr Weight	Pieces Multi Box	Weight Multi Box	Packing see Table	Remark
XPC slim (1-liter)	DH410	PIB-DH410001 PIB-DH410011	887993002385 887993003696	Nov'20-Aug'22 Oct'21-Nov'21	84733080	China	90W (2)	2.4 / 2.8 kg	4	11.0 kg	1L-Slim	with card reader no card reader
	DH410S	PIB-DH410S001 PIB-DH410S011	887993002460 887993003115	Nov'20-Nov'21 Jun'21-Dec'22	84733080	China	90W (2)	2.2 / 2.8 kg	4	11.0 kg	1L-Slim	Audio: ALC662 Audio: ALC897
	DH470	PIB-DH470001	887993002422	Dec'20-Aug'21	84733080	China	90W (2)	2.4 / 2.8 kg	4	11.0 kg	1L-Slim	Audio ALC662
	DH470C (no card reader)	PIB-DH470011 PIB-DH470021 PIB-DH470031	887993003689 887993004938 887993005140	Sep'21-Mar'22 Dec'21-Jun'22 Jun'22-Sep'23	84733080	China	90W (2)	2.4 / 2.8 kg	4	11.0 kg	1L-Slim	Audio ALC662 Audio ALC888S Audio ALC897
	DH610	PIB-DH610001	887993005119	since Aug'22	84733080	China	120W (2)	2.2 / 2.6 kg	4	10.6 kg	1L-Slim	
	DH610S	PIB-DH610S001	887993005126	since Aug'22	84733080	China	120W (2)	2.1 / 2.6 kg	4	10.6 kg	1L-Slim	
	DH670	PIB-DH670001	887993004983	Jul'22-Dec'23	84733080	China	120W (2)	2.2 / 2.7 kg	4	10.9 kg	1L-Slim	2x 1G LAN
	DH670V2	PIB-DH670011	887993005942	from Jul'23	84733080	China	120W (2)	2.2 / 2.7 kg	4	10.9 kg	1L-Slim	2x 2.5G LAN
	DH770	PIB-DH770001	887993006918	from Oct'24	84733080	China	120W (2)	2.2 / 2.7 kg	4	10.9 kg	1L-Slim	
	DA320	PIB-DA320001	887993002767	from Jan'21	84733080	China	120W (2)	2.4 / 2.8 kg	4	11.0 kg	1L-Slim	
	DH02U	PIB-DH02U001	887993001432	from Jun'18	84733080	China	120W (2)	2.0 / 2.4 kg	4	11.0 kg	1L-Slim	
	DH02U5	PIB-DH02U001	887993001456	Jun'18-Jun'20	84733080	China	120W (2)	2.0 / 2.4 kg	4	11.0 kg	1L-Slim	
	DH32U	PIB-DH32U011	887993004440	from Feb'22	84733080	China	90W (2)	1.9 / 2.4 kg	4	11.0 kg	1L-Slim	
	DH32U5	PIB-DH32U511	887993004464	from Feb'22	84733080	China	90W (2)	1.9 / 2.4 kg	4	11.0 kg	1L-Slim	
	DN11H5	PIB-DN11H501	887993007298	from Feb'25	84733080	China	120W (2)	1.3 / 2.5 kg	4	11.0 kg	1L-Slim	
	DN11H7	PIB-DN11H701	887993007304	from Feb'25	84733080	China	120W (2)	1.3 / 2.5 kg	4	11.0 kg	1L-Slim	
	DN11H9	PIB-DN11H901	887993007311	from Feb'25	84733080	China	120W (2)	1.3 / 2.5 kg	4	11.0 kg	1L-Slim	
	DL20N	PEB-DL20N401	887993003641	Nov'21-Jan'23	84733080	China	40W (3)	1.5 / 2.0 kg	4	8.0 kg	1L-Slim	LAN: 1G
	DL20N6	PEB-DL20N601	887993003665	Nov'21-Dec'22	84733080	China	40W (3)	1.5 / 2.0 kg	4	8.0 kg	1L-Slim	LAN: 1G
	DL20NV2	PEB-DL20N411	887993005379	Jan'23-Jun'24	84733080	China	40W (3)	1.5 / 2.0 kg	4	8.0 kg	1L-Slim	LAN: 2.5G
	DL20N6V2	PEB-DL20N611	887993005393	Feb'23-Sep'24	84733080	China	40W (3)	1.5 / 2.0 kg	4	8.0 kg	1L-Slim	LAN: 2.5G
	DL30N	PEB-DL30N101	887993006093	since Mar'24	84733080	China	65W (2)	1.3 / 2.1 kg	4	8.5 kg	1L-Slim	
	DS20U	PEB-DS20U001	887993003900	Feb'22-May'23	84733080	China	65W (2)	1.9 / 2.4 kg	4	10.0 kg	1L-Slim	LAN: 2x 1G
	DS20U3	PEB-DS20U301	887993003917	Feb'22-Feb'23	84733080	China	65W (2)	1.9 / 2.4 kg	4	10.0 kg	1L-Slim	LAN: 2x 1G
	DS20U5	PEB-DS20U501	887993003924	Feb'22-Dec'22	84733080	China	65W (2)	1.9 / 2.4 kg	4	10.0 kg	1L-Slim	LAN: 2x 1G
	DS20U7	PEB-DS20U701	887993003931	Feb'22-Mar'23	84733080	China	65W (2)	1.9 / 2.4 kg	4	10.0 kg	1L-Slim	LAN: 2x 1G
	DS20UV2	PEB-DS20U011	887993005331	May'23-July'24	84733080	China	65W (2)	1.9 / 2.4 kg	4	10.0 kg	1L-Slim	LAN: 2.5G + 1G
	DS20U3V2	PEB-DS20U311	887993005348	Jan'23-May'25	84733080	China	65W (2)	1.9 / 2.4 kg	4	10.0 kg	1L-Slim	LAN: 2.5G + 1G
	DS20U5V2	PEB-DS20U511	887993005355	Nov'22-July'24	84733080	China	65W (2)	1.9 / 2.4 kg	4	10.0 kg	1L-Slim	LAN: 2.5G + 1G
	DS20U7V2	PEB-DS20U711	887993005362	Mar'23-Feb'24	84733080	China	65W (2)	1.9 / 2.4 kg	4	10.0 kg	1L-Slim	LAN: 2.5G + 1G
	DS50U	PEB-DS50U001	887993006574	from July'24	84733080	China	90W (2)	2.2 / 2.5 kg	4	11.0 kg	1L-Slim	
	DS50U3	PEB-DS50U301	887993006192	from Apr'24	84733080	China	90W (2)	2.2 / 2.5 kg	4	11.0 kg	1L-Slim	
	DS50U5	PEB-DS50U501	887993006185	from Mar'24	84733080	China	90W (2)	2.2 / 2.5 kg	4	11.0 kg	1L-Slim	
	DS50U7	PEB-DS50U701	887993006178	from Mar'24	84733080	China	90W (2)	2.2 / 2.5 kg	4	11.0 kg	1L-Slim	

Category	Product Name	Shuttle SKU Code (Order Number)	UPC Code	Selling-Period Shuttle EU	Customs HS Code	Origin	AC Power Plug Type	Net Weight Single Box	Pieces Multi Box	Weight Multi Box	Packing see Table	Remark
XPC slim (3-liter)	XH310R	PIB-XH310R11 PIB-XH310R21	887993001630 887993002644	Mar'19-Jan'21 Jan'21-Nov'22	84733080	China	90W (2)	2.6 / 3.0 kg	4	13.0 kg	3L-Slim	Initial version new: EN62368
	XH310RV	PIB-XH310RV11 PIB-XH310RV21	887993001623 887993002637	Mar'19-Feb'21 Feb'21-Jan'25	84733080	China	90W (2)	2.6 / 3.0 kg	4	13.0 kg	3L-Slim	Initial version new: EN62368
	XH410G	PIB-XH410G01	887993002507	Nov'20-Aug'22	84733080	China	180W (2)	2.6 / 3.0 kg	4	15.0 kg	3L-Slim	
	XH510G	PIB-XH510G01	887993005041	from Nov'22	84733080	China	180W (2)	2.6 / 3.0 kg	4	15.0 kg	3L-Slim	
	XH510G2	PIB-XH510G201	887993004198	from Jun'22	84733080	China	180W (2)	2.6 / 3.0 kg	4	16.0 kg	3L-Slim	
	XH610	PIB-XH61001	887993005171	from Oct'22	84733080	China	120W (2)	2.6 / 3.0 kg	4	13.0 kg	3L-Slim	
	XH610V	PIB-XH610V01	887993005164	Oct'22-Sep'24	84733080	China	120W (2)	2.6 / 3.0 kg	4	13.0 kg	3L-Slim	
XPC cube	XH610G2	PIB-XH610G201	887993006796	from Oct'24	84733080	China	180W (2)	2.6 / 3.0 kg	4	16.0 kg	3L-Slim	
	SH310R4V2	PC-SH310R421 PC-SH310R431	887993001647 887993002675	Oct'19-Aug'21 Oct'21-May'22	84733080	China	300W (1)	4.5 / 5.0 kg	4	22.0 kg	Cube-S	Initial version new: EN62368
	SH510R4	PC-SH510R411 PC-SH510R421	887993003948 887993005409	Feb'22-Aug'23 Nov'22-Mar'25	84733080	China	300W (1)	4.6 / 5.0 kg	4	22.0 kg	Cube-L Cube-S	Initial version smaller package
	SH570R6	PC-SH570R611 PC-SH570R631	887993003498 887993005416	Nov'21-Jan'24 Sep'22-Apr'25	84733080	China	300W (1)	4.7 / 5.1 kg	4	22.0 kg	Cube-L Cube-S	Initial version smaller package
	SH570R6 Plus	PC-SH570R621 PC-SH570R641	887993003870 887993005430	Nov'21-Oct'22 from Oct'22	84733080	China	500W (1)	4.7 / 5.1 kg	4	22.0 kg	Cube-L	
	SH570R8	PC-SH570R811 PC-SH570R821	887993003504 887993005423	Nov'21-Oct'22 Sep'22-Apr'25	84733080	China	500W (1)	4.7 / 5.1 kg	4	22.0 kg	Cube-L Cube-S	Initial version smaller package
	SW580R8	PC-SH580R821	887993005447	from Jul'22	84733080	China	500W (1)	4.7 / 5.1 kg	4	22.0 kg	Cube-S	
XPC nano	SH610R4	PC-SH610R411	887993005911	from Jul'23	84733080	China	300W (1)	4.6 / 5.0 kg	4	22.0 kg	Cube-S	
	NA10H7	PFB-NA10H701	887993007403	from Jan'25	84733080	China	120W (2)	0.8 / 1.7 kg	8	16.0 kg	Nano-NA/NT	
	NT10H5	PFB-NT10H501	887993007663	from Feb'25	84733080	China	120W (2)	0.8 / 1.7 kg	8	16.0 kg	Nano-NA/NT	
	NT10H9	PFB-NT10H901	887993007687	depuis Fév'25	84733080	China	120W (2)	0.8 / 1.7 kg	8	16.0 kg	Nano-NA/NT	
	NC40U	PFB-NC40U	887993005904	from Sep'23	84733080	China	65W (3)	1.0 / 1.3 kg	4	7.0 kg	1L-Slim	Celeron 7305
	NC40U3	PFB-NC40U	887993005898	from Sep'23	84733080	China	65W (3)	1.0 / 1.3 kg	4	7.0 kg	1L-Slim	Core i3-1215U
	NC40U5	PFB-NC40U	887993005881	from Sep'23	84733080	China	65W (3)	1.0 / 1.3 kg	4	7.0 kg	1L-Slim	Core i5-1235U
	NC40U7	PFB-NC40U	887993005874	from Sep'23	84733080	China	65W (3)	1.0 / 1.3 kg	4	7.0 kg	1L-Slim	Core i7-1255U
	NS02A	PFB-NS02A011 PFB-NS02A021	887993600536 887993600536	Apr'17-May'19 May'19-Apr'21	84733080	China	24W (3)	0.5 / 0.8 kg	10	10.0 kg	Nano-NS	Android 5.1.1 Android 8.1
	NS02E	PFB-NS02E011 PFB-NS02E021	887993600543 887993600543	May'17-Dec'19 Sep'19-May'21	84733080	China	24W (3)	0.5 / 0.8 kg	10	10.0 kg	Nano-NS	Android 5.1.1 Android 8.1
	NS02AV2	PFB-NS02A031 PFB-NS02A041	887993601526 887993601595	Aug'21-Jul'22 Feb'22 -Feb'25	84733080	China	24W (3)	0.5 / 0.8 kg	10	10.0 kg	Nano-NS	Initial version No spec change
	NS02EV2	PFB-NS02E041 PFB-NS02E051	887993601540 887993601601	from Sep'21 TBA	84733080	China	24W (3)	0.5 / 0.8 kg	10	10.0 kg	Nano-NS	Initial version No spec change

Category	Product Name	Shuttle SKU Code (Order Number)	UPC Code	Selling-Period Shuttle EU	Customs HS Code	Origin	AC Power Plug Type	Net Weight Single Box	Pieces Multi Box	Weight Multi Box	Packing see Table	Remark
Edge-PC	SPCEL02	KEB-SPCEL02001	887993007212	from Oct'24	84714900	Taiwan	NA	1.0 / 1.2 kg	9	12 kg	Edge2	
	SPCEL02P	KEB-SPCEL02P001	887993602240	from Jan'25	84714900	Taiwan	NA	1.0 / 1.2 kg	9	12 kg	Edge2	
	SPCEL03	KEB-SPCEL03001	887993007229	from Oct'24	84714900	Taiwan	NA	1.0 / 1.2 kg	9	12 kg	Edge2	
	SPCEL12	KEB-SPCEL12001	887993007243	from Oct'24	84714900	Taiwan	65W (2)	1.3 / 1.5 kg	6	10 kg	Edge3	
	EN01J3	NEC-EN01J03	887993601106	Jun'20-Aug'23	84714900	China	NA	0.9 / 1.2 kg	4	6.0 kg	Edge1	
	EN01J4	NEC-EN01J04	887993601113	Jun'20-May'24	84714900	China	NA	0.9 / 1.2 kg	4	6.0 kg	Edge1	
Panel-PC	P21WL01-i3	ZKPB-P21WL01301	887993003887	Feb'22-Mar'23	84714100	Taiwan	90W (1)	7.6 / 10.0 kg	2	20.7 kg	Panel-PC	Core i3-8145UE
	P21WL01-i3	ZKPB-P21WL01302	887993005317	Apr'23-Mar'25								Core i3-8145UE
	P21WL01-i5UE	ZKPB-P21WL01501	887993003894	Feb'22-Apr'22								Core i5-8365UE
	P21WL01-i5UE	ZKPB-P21WL01502	887993005324	Sep'22-May'25								Core i5-8365UE
	P21WL01-i5	ZKPB-P21WL01503	887993005614	Oct'23-Apr'25								Core i5-8265U
	P21WL01-i5	ZKPB-P21WL01504	887993006680	Aug'24-May'25								Core i5-8265U
	P21WL01-i5UE	ZKPB-P21WL01505	887993006697	May'24-Feb'25								Core i5-8365UE
	P21WL01-i7	ZKPB-P21WL01703	887993005621	Apr'23-Mar'24								Core i7-8665UE
	P21WL01-i7	ZKPB-P21WL01704	887993006703	Feb'24-Feb'25								Core i7-8665UE
	M21WL01	ZKPB-M21WL01500	887993005522	Nov'22-Nov'24	84714100	Taiwan	90W (2)	7.7 / 10.1 kg	2	20.9 kg	Panel-PC	Medical Version
Box-PC	P15AL01-i5	ZKPB-P15AL01511	887993007885	TBA	84714100	Taiwan	90W (1)	7.6 / 10.0 kg	2	20.7 kg	Panel-PC	
	P21AL01-i3	ZKPB-P21AL01311	887993007366	TBA								
	P21AL01-i5	ZKPB-P21AL01511	887993007359	TBA								
	M15AL01-i5	ZKPB-M15AL01511	887993007526	TBA	84714100	Taiwan	90W (2)	7.7 / 10.1 kg	2	20.9 kg	Panel-PC	Medical Version
	M21AL01-i5	ZKPB-M21AL01511	887993007588	TBA								
Box-PC	BPCWL02-i3	ZKBB-BPCWL02302	887993003474	Feb'22-Jun'22	84733080	Taiwan	90W (2)	3.4 / 3.9 kg	3	13.6 kg	Box-PC	
		ZKBB-BPCWL02303	887993005003	from May'22								
	BPCWL02-i5	ZKBB-BPCWL02502	887993003481	from Feb'22								
		ZKBB-BPCWL02303	887993005010	TBA								
	BPCWL02-i7	ZKBB-BPCWL02703	887993005607	from Apr'23								
	BPCAL02-i3	ZKBB-BPCAL02301	887993006666	from Jul'24								
Box-PC	BPCAL02-i5	ZKBB-BPCAL02501	887993006673	from Jul'24	84733080	Taiwan	90W (2)	3,4 / 3,9 kg	3	13,6 kg	Box-PC	
	BPCAL02-i7	ZKBB-BPCAL02701	887993602165	TBA	84733080	Taiwan	90W (2)	3,4 / 3,9 kg	3	13,6 kg	Box-PC	

Category	Product Name	Shuttle SKU Code (Order Number)	UPC Code	Selling-Period Shuttle EU	Customs HS Code*	Origin	AC Power Plug Type	Single Box Net/Gr Weight	Pieces Multi Box	Weight Multi Box	Packing see Table	Remark
XPC all-in-one	P20U Black	PAB-P20U001 PAB-P20U011	887993001487 887993003122	Jun'18-Mar'21 Apr'21-Apr'22	84714100	China	65W (3)	3.5 / 3.8 kg	4	16.0 kg	AIO-S	Initial version EN62368 approved
	P22U Black	PAB-P22U001	887993004648	Jun'22-Feb'24	84714100	China	65W (2)	3.5 / 3.8 kg	4	16.0 kg	AIO-S	
	P25U Black	PAB-P25N001	887993006536	from Jan'23	84714100	China	65W (2)	2.0 / 3.2 kg				
	X50V8 Black	PAB-X50V812 PAB-X50V822 PAB-X50V832	887993005072 887993005201 887993005720	May'22-Jun'24 Jan'24-Jun'24 May'24-Jul'24	84714100	China	65W (2)	4.5 / 5.0 kg	4	19.0 kg	AIO-M	
	X50V8 White	PAB-X50V811 PAB-X50V821 PAB-X50V831 PAB-X50V841	887993005096 887993005737 887993005737 887993005225	Apr'22-Jul'23 May'23-Mar'24 Nov'23-Jun'24 Mar'24-Apr'24	84714100	China	65W (2)	4.5 / 5.0 kg	4	19.0 kg	AIO-M	
	X50V8U3 Black	PAB-X50V8U312 PAB-X50V8U322 PAB-X50V8U332	887993005089 887993005218 887993005744	Jun'22-Sep'23 Jul'23-May'24 May'24-May'25	84714100	China	65W (2)	4.5 / 5.0 kg	4	19.0 kg	AIO-M	
	X50V8U3 White	PAB-X50V8U311	887993005102	Jun'22-Oct'24	84714100	China	65W (2)	4.5 / 5.0 kg	4	19.0 kg	AIO-M	
	X50V9 Black	PAB-X50V912	887993006802	from July'24	84714100	China	90W (2)	3.5 / 4.2 kg	4	19.0 kg	AIO-M	
	X50V9 White	PAB-X50V911	887993006819	from July'24	84714100	China	90W (2)	3.5 / 4.2 kg	4	19.0 kg	AIO-M	
	X50V9U3 Black	PAB-X50V9U302	887993006215	from Sep'23	84714100	China	90W (2)	3.5 / 4.2 kg	4	19.0 kg	AIO-M	
	X50V9U3 White	PAB-X50V9U301	887993006222	from Sep'23	84714100	China	90W (2)	3.5 / 4.2 kg	4	19.0 kg	AIO-M	
	P51U Black	PAB-P51U001 PAB-P51U011	887993001791 887993004587	Sep'19-Jun'22 Apr'22-Dec'22	84714100	China	65W (3)	3.3 / 4.5 kg	4	19.0 kg	AIO-M	Audio chip ALC269 Audio chip CM6542
	P51U3 Black	PAB-P51U301 PAB-P51U311	887993002187 887993004594	Feb'20-Dec'21 Apr'22-Apr'23	84714100	China	65W (3)	3.3 / 4.5 kg	4	19.0 kg	AIO-M	Audio chip ALC269 Audio chip CM6542
	P52U Black	PAB-P52U001	887993005768	from Oct'22	84714100	China	65W (2)	3.3 / 4.5 kg	4	19.0 kg	AIO-M	
	P52U3 Black	PAB-P52U301	887993005782	Oct'22-Feb'25	84714100	China	65W (2)	3.3 / 4.5 kg	4	19.0 kg	AIO-M	
	P55U Black	PAB-P55U001	887993007113	from Mar'25	84714100	China	90W (2)	3.3 / 4.5 kg	4	19.0 kg	AIO-M	
	P55U3 Black	PAB-P55U301	887993007120	from Dec'24	84714100	China	90W (2)	3.3 / 4.5 kg	4	19.0 kg	AIO-M	
	P90U Black	PAB-P90U001 PAB-P90U011 PAB-P90U011	887993001661 887993002323 887993004969	May'19-Sep'20 Sep'20-Dec'21 Apr'22-Oct'22	84714100	China	65W (3)	4.9 / 5.7 kg	2	13.0 kg	AIO-L	Initial version EN62368 approved without Driver DVD
	P90U White	PAB-P90U002 PAB-P90U012	887993001890 887993002330	Jan'20-Sep'21 from Oct'21	84714100	China	65W (3)	4.9 / 5.7 kg	2	13.0 kg	AIO-L	Initial version EN62368 approved
	P90U3 Black	PAB-P90U301 PAB-P90U311 PAB-P90U311	887993001685 887993002347 887993004969	Jan'19-Mar'21 Feb'21-Apr'22 Apr'22-Jan'23	84714100	China	65W (3)	4.9 / 5.7 kg	2	13.0 kg	AIO-L	Initial version EN62368 approved without Driver DVD
	P90U3 White	PAB-P90U302	887993001906	Jul'19-May'22	84714100	China	65W (3)	4.9 / 5.7 kg	2	13.0 kg	AIO-L	
	P90U5 Black	PAB-P90U501 PAB-P90U511 PAB-P90U511	887993001678 887993002491 887993004976	May'19-May'21 Mar'21-Mar'22 Aug'22-Apr'23	84714100	China	65W (3)	4.9 / 5.7 kg	2	13.0 kg	AIO-L	Initial version EN62368 approved without Driver DVD
	P92U Black	PAB-P92U011 PAB-P92U021	887993004488 887993005249	Feb'22-Sep'22 from Sep'22	84714100	China	65W (2)	4.9 / 5.7 kg	2	13.0 kg	AIO-L	LAN i211 LAN i219
	P92U White	PAB-P92U012 PAB-P92U022	887993004501 887993005256	Feb'22-Feb'23 from Oct'22	84714100	China	65W (2)	4.9 / 5.7 kg	2	13.0 kg	AIO-L	LAN i211 LAN i219
	P92U3 Black	PAB-P92U311 PAB-P92U321	887993004525 887993005263	Feb'22-Dec'22 Oct'22-Feb'25	84714100	China	65W (2)	4.9 / 5.7 kg	2	13.0 kg	AIO-L	LAN i211 LAN i219
	P92U3 White	PAB-P92U312 PAB-P92U322	887993004549 887993005270	Feb'22-Oct'22 Oct'22-Jun'22	84714100	China	65W (2)	4.9 / 5.7 kg	2	13.0 kg	AIO-L	LAN i211 LAN i219
	P92U5 Black	PAB-P92U511 PAB-P92U521	887993004563 887993005287	Feb'22-Jun'23 Oct'22-Jul'24	84714100	China	65W (2)	4.9 / 5.7 kg	2	13.0 kg	AIO-L	LAN i211 LAN i219
	D230	DAD-D23001	887993601168	from Sep'20	84714100	China	24W (3)	1.4 / 2.0 kg	4	8.8 kg	AIO-Stretch	

Packing Box Dimensions

Retail Box Design	Product Examples	Single Retail Box			Package with multiple Retail Boxes			
		Dimensions approx. in cm	Dimensions in mm	Volume in liters	Pieces per Box	Dimensions approx. in cm	Dimensions in mm	Volume in liters
Cube-S	SH1xx, SH3xx series	46 x 28 x 24	455 x 273 x 232	28.5	4 pcs.	56 x 47 x 50	562 x 466 x 500	131
Cube-L	First shipment of SH5xx	46 x 28 x 32	455 x 273 x 310	28.8	4 pcs.	57 x 47 x 65	565 x 473 x 645	172
3L-Slim	XH310(V), XH410, XH510G2	38 x 28 x 14	375 x 274 x 135	13.9	4 pcs.	57 x 39 x 30	563 x 389 x 298	65.3
1L-Slim	DH4xx, NC10U, DS20U	26 x 25 x 14	255 x 240 x 136	8.32	4 pcs.	52 x 30 x 26	522 x 292 x 262	39.9
Nano-NS	NS02A/E (V2) series	28 x 19 x 5.5	280 x 187 x 53	2.78	10 pcs.	40 x 29 x 30	395 x 290 x 295	33.8
Nano-NA/NT	NA10H, NT10H	19 x 10 x 15	190 x 100 x 150	2.85	8 pcs.	52 x 30 x 26	520 x 300 x 260	40.6
Edge1	EN01J3, EN01J4	21 x 22 x 19	206 x 218 x 190	8.53	4 pcs.	46 x 44 x 21	460 x 435 x 210	42.0
Edge2	SPCEL02/02P/03	19 x 15.5 x 9	187 x 152 x 88	2.50	9 pcs.	47 x 29 x 22	470 x 290 x 220	30.0
Edge3	SPCEL12	22.5 x 19 x 9	224 x 187 x 88	3.70	6 pcs.	47 x 29 x 22	470 x 290 x 220	30.0
AIO-S	P20U, P22U (11.6")	41 x 14 x 39	410 x 137 x 386	21.7	4 pcs.	57 x 43 x 41	568 x 429 x 405	98.7
AIO-M	X50- and P51U-Series (15.6")	46 x 13 x 42	457 x 129 x 420	24.8	4 pcs.	56 x 48 x 46	552 x 479 x 452	119.5
AIO-L	P90U, P92U (19.5")	50 x 16 x 55	494 x 152 x 555	41.7	2 pcs.	58 x 33 x 52	574 x 323 x 511	94.7
AIO-Stretch	D230 (23.1")	67 x 23 x 8.5	667 x 228 x 83	12.6	4 pcs.	69 x 36 x 25	687 x 355 x 245	59.75
Panel-PC	P21WL01 (21.5")	68 x 16.5 x 50	680 x 165 x 500	56.2	2 pcs.	69 x 33 x 52	684 x 329 x 513	115.4
Box-PC	BPCWL02, BPCWL03	32.5 x 15.5 x 31	325 x 153 x 310	15.4	3 pcs.	49 x 34 x 35	485 x 340 x 345	56.9

Power Plug Type



Category	Product Name	Description	Shuttle SKU Code (Order Number)	Selling-Period	UPC Code 8... EAN Code 4...	Customs HS Code	Single Box		Multi Box		
							Weight Net/Gross	Dimensions in cm	Pieces per box	Weight Gross	Dimensions in cm
Power Supply	PE90	90W power adapter for DS/DH/XH series	POZ-PE90E01	from Jun'14	811686005728	85044030	0.52 / 0.65 kg	20.2 x 14.2 x 5.0	72	45 kg	59.5 x 48.5 x 43
	PE180	180W power adapter for XH510G2	POS-PE180E01	from Apr'22	4046047103768	85044030	0.6 / 0.9 kg	28.5 x 10 x 5.5	NA	NA	NA
	PRC01	Supports 2nd power adapter for XH510G2	POI-PRC01	from May'22	887993800387	85444290	0.1 / 0.17 kg	21.0 x 12.5 x 3.5	50	10 kg	ca. 66 x 39 x 25
	PC45	250W power supply for some G/H series	POC-PC45G01	from July'14	4046047102860	85044030	0.8 / 1.0 kg	28.5 x 10 x 5.5	12	10 kg	ca. 32 x 32 x 31
	PC55	450W power supply for some P/P2 series	PCZ-PC55	from Feb'10	811686005148	85044030	1.2 / 1.38 kg	19.5 x 15.8 x 10.6	10	15 kg	ca. 57 x 42 x 19
	PC61J	300W power supply for H/J/R series	POC-PC61J	Oct'10-Dec'22	811686005438	85044030	1.1 / 1.18 kg	37.0 x 10.7 x 7.8	10	13 kg	ca. 56 x 40 x 18
	PC63J	500W power supply for H/J/R series	POC-PC63J POC-PC63J1	Sep'09-Jul'17 Mar'17-Sep'23	811686005445 887993800073	85044030	1.4 / 1.35 kg	37.0 x 10.7 x 7.8	10	15 kg 16 kg	ca. 56 x 40 x 18 ca. 55 x 38 x 16
	PC850	850W power supply for SH5xx series	POC-PC8501	from Jun'22	4046047103829	85044030	0.8 / 1.55 kg	37.0 x 10.7 x 7.8	12	18 kg	ca 56 x 51 x 19
Wireless	WLN-M	WLAN kit (802.11ac, Realtek RTL8821)	POZ-WLNM01	from Mar'17	887993800035	85177900	0.05 / 0.11 kg	19.0 x 13.0 x 3.5	50	7 kg	68.0 x 40.0 x 20.0
	WLN-M1	WLAN kit (802.11ac, Intel AX200)	POZ-WLNM11	from Feb'22	4046047103690	85177900	0.05 / 0.95 kg	19.0 x 13.0 x 3.5	50	7 kg	68.0 x 40.0 x 20.0
	WWN01	LTE adapter kit for DL10J series only	POE-WWN01	from Jul'18	887993800233	84733020	0.06 / 0.08 kg	15.2 x 11.2 x 2.3	80	7.5 kg	ca. 48 x 33 x 28
	WWN03	LTE adapter kit for DS10/20, DH4xx/6xx,...	POE-WWN03	from Nov'19	887993800318	84733020	0.06 / 0.095 kg	15.2 x 11.2 x 2.3	NA	8.5 kg	ca. 48 x 33 x 28
	PNFC01	NFC kit for P20U (not for P22U)	POA-PNFC01	from Jun'18	887993800189	85177900	0.09 / 0.02 kg	12.2 x 9.0 x 1.0	NA	NA	NA
	PNFC03	NFC kit for P51U	POA-PNFC03	from Jun'19	887993800288	85177900	0.09 / 0.025 kg	12.2 x 9.0 x 1.0	20	1 kg	NA
I/O Ports	PCL71	COM/LPT adapt. for X50V4-V8, P90U/P92U	POA-PCL71	from Jan'15	887993800011	84733020	0.07 / 0.12 kg	15.2 x 11.2 x 2.3	80	10 kg	ca. 48 x 33 x 28
	POS01	COM/LPT/RJ11 for X50V4-V8, P90U/P92U	POA-POS01	from Jan'15	887993800004	84733020	0.09 / 0.14 kg	15.2 x 11.2 x 2.3	80	10 kg	ca. 48 x 33 x 28
	POR01	COM adapter cable for POS01 (D-Sub/RJ45)	POA-POR01	from Aug'15	4046047103126	84733020	0.1 / 0.1 kg	16 x 24 (bag)	NA	NA	NA
	H-RS232	COM adapter cable for XPC cubes (H/R)	POC-PC0701	from Sep'11	4046047102358	85444290	0.02 / 0.2 kg	16 x 24 (bag)	NA	NA	NA
	PCP11	COM adapter cable for DS10/20, XH410G...	POZ-PCP11	from Sep'19	4046047103430	85444290	0.02 / 0.02 kg	16 x 24 (bag)	NA	NA	NA
	PCP21	2x COM adapter cables for P2xU, P5xU	POA-PCP21	from Aug'18	4046047103362	85444290	0.04 / 0.04 kg	16 x 24 (bag)	NA	NA	NA
	PCM3	Triple COM port for XH81	POI-PCM3	from Nov'14	811686005834	85444290	0.08 / 0.2 kg	16.8 x 10.6 x 3.6	NA	NA	NA
	PCM31	Triple COM port for XH310(R)	POI-PCM31	from Sep'18	887993800257	85444290	0.08 / 0.125 kg	16.8 x 10.6 x 3.6	72	11 kg	ca. 51 x 44 x 23
	PVG01	VGA adapter cable for XPC slim	POI-PVG01	from May'14	811686005735	85444290	0.02 / 0.065 kg	21.1 x 12.7 x 3.5	50	5 kg	65.5 x 38.3 x 25.5
HDD kits	PHD2	2nd HDD kit for XS35 series	POE-PHD2 POE-PHD2N	from Feb'11 from Feb'12	811686005469 811686005490	84733080	0.04 / 0.065 kg	15.2 x 11.2 x 2.3	80	6 kg	ca. 47 x 32 x 27
	PHD3	3.5" to 2.5" HDD rack for XPC cube	POC-PHD3 POC-PHD31	Jan'12-Jan'16 from Jun'13	811686005544 811686005599	73269098	0.09 / 0.18 kg	18.5 x 13,7 x 3.5	126	23 kg	ca. 57 x 43 x 39
	PHD4	3.5" HDD rack for 3L slim PCs (PHD41 has some additional holes)	POI-PHD4 POI-PHD41	Oct'14-Jun'17 from Jul'17	811686005827	84733080	0.2 / 0.30 kg	19.0 x 20.5 x 4.6	50	12 kg	47.9 x 44.5 x 43.1
VESA Stand DIN-Rail Rack	PV02	VESA mount kit for XH series (not XHxxxG)	POI-PV02	from Jul'11	811686005537	73269098	0.35 / 0.495 kg	27.9 x 16.0 x 16.0	12	8 kg	57.7 x 42.6 x 33.5
	PV04	VESA mount kit for some Slim PCs	POI-PV04 POI-PV041	from Feb'17 from Jun'18	4046047103171 887993800141	73269098	0.35 / 0.4 kg	16 x 24 (bag)	80	14 kg	ca. 47 x 32 x 28
	PS01	Vertical Stand for XH series (not XHxxxG)	POI-PS01	from Jul'11	811686005520	39269097	0.07 / 0.14 kg	23.3 x 13.6 x 6.5	40	8.5 kg	ca. 58 x 50 x 34
	PS02	Vertical Stand for XPC slim (1L)	POI-PS02	from Jan'17	4046047103164 887993800134	76169990	0.07 / 0.10 kg	15.2 x 11.3 x 2.3	80	8.5 kg	ca. 48 x 33 x 28
	DIR01	DIN-Rail adapter for XPC slim	POZ-DIR01	from Sep'19	4046047103447	73269098	0.8 / kg	16 x 24 (bag)	50	9 kg	NA
	PRM01	2U rackmount kit for XPC slim	POZ-PRM01	from May'17	4046047103225	73269098	0.7 / 0.78 kg	49.1 x 9.6 x 2.5	25	20 kg	ca. 52 x 30 x 26
	POV21	Dual VESA Stand	POA-POV21	from Jan'24	4046047104116	73269098	2.6 / 3.2 kg	27.0 x 27.0 x 27.0			
For Edge-PC	PSE01	2nd LAN with PoE (supplies ext. device)	PUN-PSE01	from Nov'20	887993800349	84733020	0.054 / 0.12 kg	16.8 x 10.6 x 3.5	72	9.5 kg	ca. 53 x 45 x 24
	PD01	2nd LAN with PoE (supplies EN01 via LAN)	PUN-PD01	from Nov'20	887993800356	84733020	0.054 / 0.12 kg	16.8 x 10.6 x 3.5	72	9.5 kg	ca. 53 x 45 x 24
	LN007	Adapter board to support a WLAN module	PUN-LN007	from Sep'20	4046047103539	84733020	0.016 / 0.02 kg	7.0 x 11.9	NA	NA	NA
Other	CXP01	Cable for external power button	POZ-CXP01	from Dec'16	4046047103119	85444290	0.05 / 0.06 kg	14.9 x 21.0 (bag)	50	5.5 kg	NA
	MY01	ODD bay cover for 3L X PCs with front door	POI-MY01	from Mar'16	4046047103034	39191080	0.01 / 0.015 kg	16 x 24 (bag)	NA	NA	NA