

Autumn / Winter 2023

MINI-PC PRODUCT GUIDE

Shuttle®

Mighty Power. Compact Versatile. Endless Possibilities
Supporting Intelligent Business Ideas



ناوک هوشمند پویان

Edge Intelligent Enterprise

با افتخار اعلام می‌کنیم که شرکت ناوک هوشمند پویان،
نماینده تامین سخت‌افزارهای برند معتبر شاتل در ایران است
ما به عنوان یکی از پیشگامان در زمینه تامین سخت‌افزارهای حیاتی
برای صنایع نرم‌افزاری و زیرساخت‌های حیاتی، آمادگی همکاری با
شرکت‌های معتبر و نرم‌افزاری را داریم.



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- DIGITAL SIGNAGE
- SMART RETAIL
- EDGE COMPUTING
- IOT SOLUTION
- AUTOMATION CONTROL
- SMART MEDICAL
- KIOSK SOLUTION

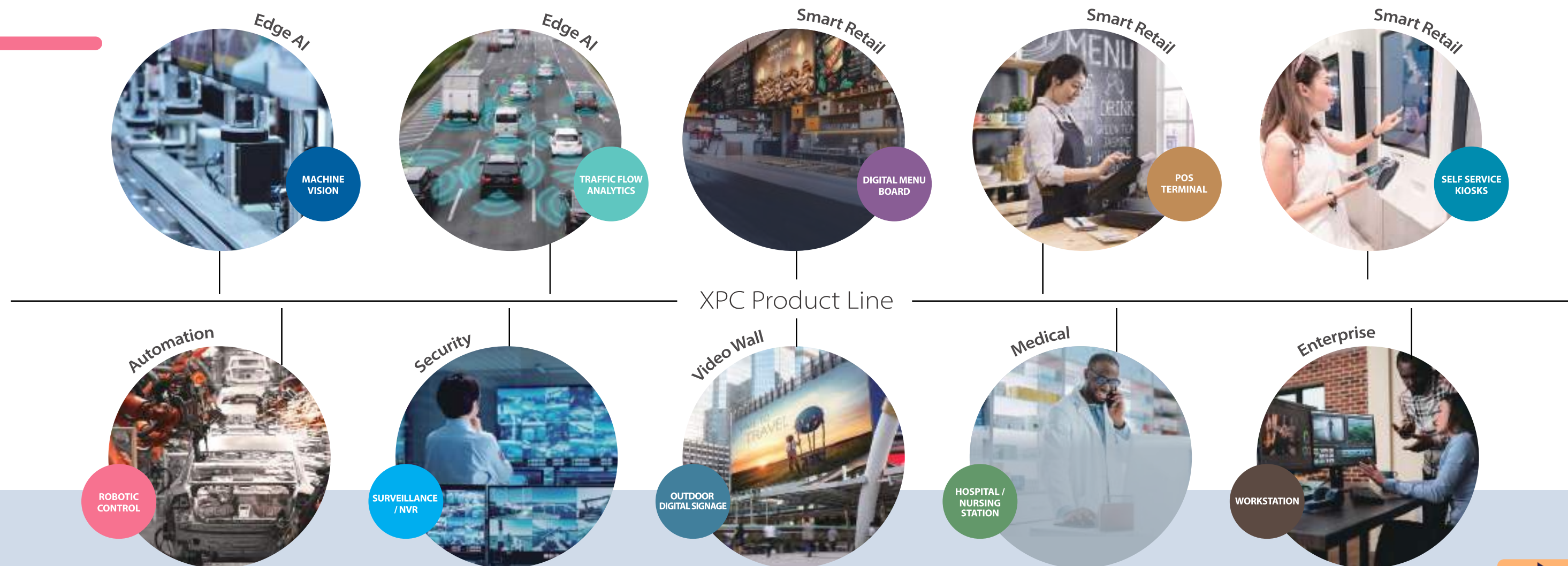
Company Profile

Since being founded in 1983, Shuttle has laid a solid foundation in developing compact commercial and industrial computers. We are proud of our ability to innovate, design and manufacture cutting-edge computer products, including mini PCs, all-in-one PCs, edge computing, embedded computers, and industrial and medical-grade Panel PCs, which are widely integrated into automation control, intelligent self-service kiosks, digital signage, IP monitoring edge computing, machine vision, VR/AR and other solutions, and have established a good reputation in different industries such as manufacturing, hospitality, retail, healthcare, and business.

With the rapid development of advanced technologies such as artificial intelligence and the Internet of Things, we continuously strengthen our research and development technology and enhance our system integration capabilities to provide a high-quality, diverse, and competitive product portfolio to help our customers win projects and further improve efficiency, productivity, and effectiveness.



Applications



Space-Saving, Scalable Workstation

The industry-renowned XPC cube series is only 1/3-size of a traditional tower. It offers a wide choice of processors, storage and expansion card capabilities, I/O connectivity, and a silent cooling design for almost limitless applications.



PCI-e slot



3.5" HDD



Aluminum Case



I.C.E.



XPC CUBE

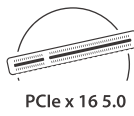
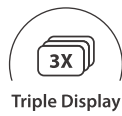
SH610R4



Performance Workstation: Compact and Affordable

Support Brand New 13th Gen Intel® Processors

Based on the Intel® H610 chipset, XPC Cube SH610R4 supports 13th / 12th Gen Intel® Core™ processors with Intel® Xe graphic architecture and dual-channel DDR4-3200 memory, providing reliable multi-tasks processing. Its expansion-friendly feature is remarkable, building in the latest PCIe Gen5 x16 that allows upgrading graphics potential to expand into media-related applications. Furthermore, SH610R4 supports the installation of 3.5-inch HDDs, 2.5-inch SSDs, an ODD, and M.2 SSDs and provides a wide range of I/O ports, including USB, Gigabit LAN, HDMI, DisplayPort, and VGA interfaces. In addition, the front panel can be customized by adding individual designs for personal preference.



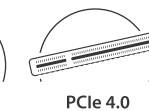
Feature

- Support 13th/ 12th Gen Intel® Core®, Pentium® Gold, Celeron® 125W processor
- 4K UHD Experience and Triple Display Productivity
- Built-in four USB 3.2 Gen1, four USB 2.0, an on-board RS232 header, and Intel® Gigabit LAN
- Equipped with Shuttle's exclusive ICE 2 cooling engine
- Support up to 64GB DDR4-3200 memory (32GB x 2)
- Equipped with one PCIe Gen5 x 16, one PCIe Gen3 x 1, one M.2 2280 M Key (PCIe 3.0 x 4/SATA), and one M.2 2230 E Key





SW580R8



Xeon-Powered Mini-Workstation

Built for Complex Computing and Visualization

Shuttle XPC cube SW580R8 supports Intel® Xeon® W-1000 series processors that deliver outstanding performance, security, and reliability along with up to 128GB of DDR4-3200 ECC memory, which provides stable computing to reduce the numbers of the errors rate effectively. It comes with robust scalability that can accommodate up to 8 x 2.5-inch SSD, PCI-E 4.0 x16 expansion slot, dual 2.5GbE, and dual 1GbE, plus 12 USB interfaces. SW580R8 is designed for a wide range of creative professionals and enterprises to apply it as a high workloads workstation, business server, and more.

Feature

- Support Intel® Xeon® W-1000 series processors and 10th/11th Gen Intel® Core™ processors
- Support DDR4-3200 ECC/Non-ECC memory up to 128GB
- Support Intel vPro® that helps minimize the risks associated with security threats
- Dual 2.5 Gigabit LAN and dual Intel® Gigabit Lan support for Wake on Lan
- Equipped with one PCIe 4.0 x16, one PCIe 3.0 x4, and two M.2 2280 M key
- Built-in 4 x USB 3.2 Gen2, 4 x USB 3.2 Gen1 (includes a Type-C), and 4 x USB 2.0

SH570R6



Connect, Create, and Work Faster For Seamless Multi-Tasking

Shuttle XPC cube SH570R6 supports 10th/11th Gen Intel® Core™ processors. With dual-channel DDR-3200MHz high-speed memory (supports up to 128GB) and Intel® Xe engine that drives triple displays from HDMI and DisplayPort outputs, the SH570R6 allows delivering higher performance for professional tasks. Besides, it supports a dual-slot graphics card, multiple hard drives, and M.2 SSD installation, further with up to twelve USB ports (including one with type-C). Network connectivity is extensive, with dual Gigabit LAN and M.2 slot for Wi-Fi module expansion.

Feature

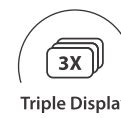
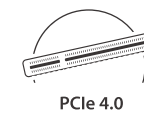
Support 10th/11th Gen Intel® Core™, Pentium®, Celeron® 125W LGA 1200 processors

Provided 4 x USB 3.2 Gen 2, 4 x USB 3.2 Gen 1 (including one with Type-C) and 4 x USB 2.0

Dual Intel® Gigabit LAN supports Wake On LAN

Equipped one PCIe 4.0 x16, one PCIe 3.0 x4 and one PCIe 3.0 M.2 2280 Socket

Three 4K displays via one HDMI 2.0b and two DisplayPort



SH610R4



Processor	Intel® 13 th /12 th Gen LGA1700 socket Core i3/i5/i7/i9, Pentium, Celeron 125W processor
Chipset	Intel® H610
Graphics	Intel® UHD Graphics series
Display Resolution Max.	HDMI : 4096 x 2160@60Hz VGA : 1920 x 1080@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	3 Independent Displays
Video Decoder	WMV9, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP9, AV1
Memory	2 x DDR4 3200/2933/2666 MHz, Max. 64GB
Storage	2 x 3.5" HDD / 1 x 5.25" ODD Bay
RAID	-
Expansion Slot	PCI Express Slots : 1 x PCI-e Gen5x16 / 1 x PCI-e Gen3x1 M.2 : 1 x M.2 2280, M Key / 1 x M.2 2230, E Key
Audio	HD 5.1 channel
HDMI Port	1
DisplayPort	2
VGA Port	1
USB 3.2 (Front)	Gen1 : 2
USB 3.2 (Rear)	Gen1 : 2
USB 2.0 (Front)	-
USB 2.0 (Rear)	4
COM Port	1(optional)
Line in/Line out/Mic in	1 / 2 / 2
Network	LAN : 1 x Intel® 1G LAN WLAN: Optional
Dimension	L : 329 x W: 216 x H : 198 mm
Weight	NW (kg) : 3.3 / GW (kg) : 4.4
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI, UKCA
Operating Temperature (°C)	0~40
Chassis	Aluminum
Power Supply	300W 80 Plus Bronze Flex ATX
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	WLN-M, PHD3

SW580R8



Processor	Intel® 11 th /10 th Gen LGA1200 socket Xeon W1000 series, Core i3/i5/i7/i9, Pentium, Celeron 125W processor
Chipset	Intel® W580
Graphics	Intel® UHD Graphics series
Display Resolution Max.	HDMI : 4096 x 2160@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	3 Independent Displays
Video Decoder	MPEG2, WMV9 / VC1, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9, AV1
Memory	4 x DDR4 3200/2933/2666, Max. 128GB (ECC DRAM support with Xeon)
Storage	4 x 3.5" HDD
RAID	0, 1, 5, 10
Expansion Slot	PCI Express Slots : 1 x PCI-e Gen4x16 / 1 x PCI-e Gen3x4 M.2 : 2 x M.2 2280, M Key / 1 x M.2 2230, E Key
Audio	HD 5.1 channel
HDMI Port	1
DisplayPort	2
VGA Port	-
USB 3.2 (Front)	Gen1 : 4 (Include Type C x1)
USB 3.2 (Rear)	Gen2 : 4
USB 2.0 (Front)	-
USB 2.0 (Rear)	4
COM Port	1(optional)
Line in/Line out/Mic in	1 / 2 / 2
Network	LAN : 2 x Intel® 1G LAN / 2 x Realtek 2.5G LAN WLAN: Optional
Dimension	L : 332 x W: 216 x H : 198 mm
Weight	NW (kg) : 3.5 / GW (kg) : 5
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI
Operating Temperature (°C)	0~40
Chassis	Aluminum
Power Supply	500W 80 Plus Gold Flex ATX
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	WLN-M, PHD3

SH570R8



Processor	Intel® 11 th /10 th Gen LGA1200 socket Core i3/i5/i7/i9, Pentium, Celeron 125W processor
Chipset	Intel® H570
Graphics	Intel® UHD Graphics series
Display Resolution Max.	HDMI : 4096 x 2160@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	3 Independent Displays
Video Decoder	MPEG2, WMV9 / VC1, AVC/H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9, AV1
Memory	4 x DDR4 3200/2933/2666 MHz, Max. 128GB
Storage	4 x 3.5" HDD
RAID	0, 1, 5, 10
Expansion Slot	PCI Express Slots : 1 x PCI-e Gen4x16 / 1 x PCI-e Gen3x4 M.2 : 1 x M.2 2280, M Key / 1 x M.2 2230, E Key
Audio	HD 5.1 channel
HDMI Port	1
DisplayPort	2
VGA Port	-
USB 3.2 (Front)	Gen1 : 4 (Include Type C x1)
USB 3.2 (Rear)	Gen2 : 4
USB 2.0 (Front)	-
USB 2.0 (Rear)	4
COM Port	1(optional)
Line in/Line out/Mic in	1 / 2 / 2
Network	LAN : 2 x Intel® 1G LAN WLAN: Optional
Dimension	L : 332 x W: 216 x H : 198 mm
Weight	NW (kg) : 3.5 / GW (kg) : 5
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI
Operating Temperature (°C)	0~40
Chassis	Aluminum
Power Supply	500W 80 Plus Gold Flex ATX
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	WLN-M, PHD3

SH570R6



Processor	Intel® 11 th /10 th Gen LGA1200 socket Core i3/i5/i7/i9, Pentium, Celeron 125W processor
Chipset	Intel® H570
Graphics	Intel® UHD Graphics series
Display Resolution Max.	HDMI : 4096 x 2160@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	3 Independent Displays
Video Decoder	MPEG2, WMV9 / VC1, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9, AV1
Memory	4 x DDR4 3200/2933/2666 MHz, Max. 128GB
Storage	2 x 3.5" HDD / 1 x 5.25" ODD Bay
RAID	0, 1, 5, 10
Expansion Slot	PCI Express Slots : 1 x PCI-e Gen4x16 / 1 x PCI-e Gen3x4 M.2 : 1 x M.2 2280, M Key / 1 x M.2 2230, E Key
Audio	HD 5.1 channel
HDMI Port	1
DisplayPort	2
VGA Port	-
USB 3.2 (Front)	Gen1 : 4 (Include Type C x1)
USB 3.2 (Rear)	Gen2 : 4
USB 2.0 (Front)	-
USB 2.0 (Rear)	4
COM Port	1(optional)
Line in/Line out/Mic in	1 / 2 / 2
Network	LAN : 2 x Intel® 1G LAN WLAN: Optional
Dimension	L : 332 x W: 215 x H : 190 mm
Weight	NW (kg) : 3.5 / GW (kg) : 4.5
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI
Operating Temperature (°C)	0~40
Chassis	Aluminum
Power Supply	300W 80 Plus Bronze Flex ATX
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	WLN-M, PHD3

SH510R4



Processor	Intel® 11 th /10 th Gen LGA1200 socket Core i3/i5/i7/i9, Pentium, Celeron 125W processor
Chipset	Intel® H510
Graphics	Intel® UHD Graphics series
Display Resolution Max.	HDMI : 4096 x 2160@60Hz VGA : 1920 x 1080@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	2 Independent Displays
Video Decoder	MPEG2, WMV9 / VC1, AVC/H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9, AV1
Memory	2 x DDR4 3200/2933/2666 MHz, Max. 64GB
Storage	2 x 3.5" HDD / 1 x 5.25" ODD Bay
RAID	-
Expansion Slot	PCI Express Slots : 1 x PCI-e Gen4x16 / 1 x PCI-e Gen3x1 M.2 : 1 x M.2 2280, M Key / 1 x M.2 2230, E Key
Audio	HD 5.1 channel
HDMI Port	1
DisplayPort	1
VGA Port	1
USB 3.2 (Front)	Gen1 : 2
USB 3.2 (Rear)	Gen1 : 2
USB 2.0 (Front)	-
USB 2.0 (Rear)	4
COM Port	1(optional)
Line in/Line out/Mic in	1 / 2 / 2
Network	LAN : 1 x Intel® 1G LAN WLAN: Optional
Dimension	L : 329 x W: 216x H : 198 mm
Weight	NW (kg) : 3.3 / GW (kg) : 4.4
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI
Operating Temperature (°C)	0~40
Chassis	Aluminum
Power Supply	300W 80 Plus Bronze Flex ATX
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	WLN-M, PHD3

* Graphics and PCIe specifications may vary depending on CPU support



Smart Fan



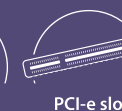
0-50°C



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Watch Dog



PCI-e slot

XPC SLIM 3L/4L

Light Package And Big Value Mini Pc

XPC slim 3L/4L series features a modern and space-saving chassis. To keep compact while reserving expansion of multi-functionality for AI and IoT application needs is the prominent feature of this series. Moreover, offer robust and reliable performance and provides rich connectivity for diverse industrial and commercial applications.



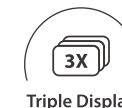
XH610 / XH610V



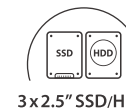
Adaptable 3-Liter PC

With Easy Integration 3.5" Drive Compatible and Expandable COMs

The XH610 and XH610V compact 3-liter slim pc feature robust performance and can be customized to drive highly interactive kiosks, vending machines, digital signage, and surveillance applications. Equipped with Intel® H610 chipset, it supports Intel® 13th/ 12th LGA1700 65W processors and delivers 4K UHD video content. In terms of extra I/O capabilities, the series features HDMI 2.0b, DisplayPort, VGA, USB 3.2 Gen 1, USB 2.0, RS232, M.2, and 2.5 Gigabit LAN. Furthermore, its slim metal chassis is VESA mount compliant, allowing 24/7 operation even in 50°C environments.



Triple Display



3 x 2.5" SSD/HDD



2.5G LAN

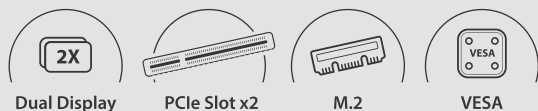


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Feature

- Support 13th/12th Gen Intel® Core™, Pentium®, Celeron® 65W LGA 1700 processors
- Support one 3.5" HDD (optional with PHD4)
- Intel® 2.5GbE + Intel® 1GbE LAN
- Three independent displays via one HDMI 2.0b, one DisplayPort, and one VGA
- Rich connectivity** : 4 x USB 3.2 Gen1, 4 x USB 2.0, 2 x RS232, 1 x M.2 2280 M Key (PCIe 4.0 x4/SATA), 1 x M.2 2230 E Key

XH510G2



Discover Dynamic Potential With The Flexible 4.75-liter PC

Dual PCIe for Expansive Add-on Card Options

Equips with Intel® H510 chipset, Shuttle XPC slim XH510G2 supports 10th/11th Gen Intel® Core™ processors delivering high-performance computing for high-speed processing applications. Despite its 4.75-liter compact chassis, XH510G2 provides two PCI-E slots to install an extra graphics card, capture card, or more to meet diverse application requirements. Furthermore, it offers multiple interfaces to connect peripherals, including 4 x USB 3.2 Gen1, 4 x USB 2.0, an HDMI 2.0, a DisplayPort 1.4, M.2 slots, and Intel® Gigabit LAN. As a result, it is perfect for video walls, data modeling and analytics, surveillance, visualization projects, and a functional kiosk that requires port-intensive.

Feature

Support 10th/11th Gen Intel® Core™, Pentium®, Celeron® 65W LGA 1200 processors

Dual display productivity via one HDMI 2.0 and one DisplayPort 1.4

24/7 Certified, operable in 0-50°C

Integrated Dual PCI-E Slots for various card installations : one PCI-E x16 and one PCI-E x1

Rich connectivity : 4 x USB 3.2 Gen 1, 4 x USB 2.0, 3 x M.2 slot, SATA connector, Intel® Gigabit LAN

* PCIe card size Max 205 x 120 x 45mm



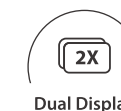


Versatile 3-liter PC for Expanded Possibilities

Single PCIe Slot for Multi-Application Expansion

Shuttle XH510G has a PCIe expansion slot that provides installing add-on cards to meet diverse circumstances. Equipped with Intel® H510 chipset and compatible with Intel® 10th/ 11th Gen Rocket-Lake platform, it supports up to 8 cores and 16 threads for high-performance computing and 4K UHD content. Multiple I/O ports, including 4 x USB 3.2 Gen 1, 4 x USB 2.0, a SATA connector, 3 x M.2, and an Intel® Gigabit LAN. XH510G can be attached to a wall mount or a monitor mount for space-constrained applications, a standout performance for Data Acquisition System (DAQ), Digital Motion Control, Surveillance, and Kiosk.

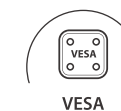
XH510G



Dual Display



PCIe Slot



VESA



24/7

Feature

Support 10th/11th Gen Intel® Core™, Pentium®, Celeron® 65W LGA 1200 processors

Dual display productivity via one HDMI 2.0 and one DisplayPort 1.4

24/7 Certified, operable in 0-50°C

Built-in a PCI-e x 16 expansion slot for various card installation (maximum size 208.5 x 120 x 30mm)

Rich connectivity : 4 x USB 3.2 Gen 1, 4 x USB 2.0, 3 x M.2 slot, SATA connector, Intel® i219LM Gigabit LAN



XH610/XH610V

Cooling system	Smart fan
Processor	Intel® 13 th /12 th Gen LGA1700 socket Core i3/i5/i7/i9, Pentium, Celeron 65W processor
Chipset	Intel® H610
Graphics	Intel® UHD Graphics series
Display Resolution Max.	HDMI : 4096 x 2160@60Hz VGA : 1920 x 1080@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	3 Independent Displays
Video Decoder	WMV9, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP9, AV1
Memory	2 x DDR4 3200/2933/2666 MHz, Max. 64GB
Storage	2 x 2.5" HDD/SSD + 1 x slim ODD or 3 x 2.5" HDD /SSD
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
DisplayPort	1
VGA Port	1
USB 3.2 (Front)	Gen1 : 2
USB 3.2 (Rear)	Gen1 : 2
USB 2.0 (Front)	2
USB 2.0 (Rear)	2
COM Port	1 x RS232 (Max. 4) / 1 x RS232/422/485, Support 5V/12V
Line in/ Line out/Mic in	1 / 2 / 2
Network	LAN : 1 x Intel® 1G LAN / 1 x Intel® 2.5G LAN WLAN: Optional
VESA	Optional (PV02)
Dimension	L : 241 x W: 200 x H : 72 mm
Weight	NW (kg) : 2.2 / GW (kg) : 3.5
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI
Operating Temperature (°C)	0~50
Chassis	Metal
Power Supply	Power Input : 12V or 19V DC in Bundled Adapter : 19V/6.32A 120W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	PS01, PV02, PHD4, WLN-M, PCM31

* BIOS v2.03 and up to version support Raptor Lake (13th) CPU

XH510G2

Cooling system	Smart fan
Processor	Intel® 11 th /10 th Gen LGA1200 socket Core i3/i5/i7/i9, Pentium, Celeron 65W processor
Chipset	Intel® H510
Graphics	Intel® UHD Graphics series
Display Resolution Max.	HDMI : 4096 x 2160@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	2 Independent Displays
Video Decoder	MPEG2, WMV9 / VC1, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9, AV1
Memory	2 x DDR4 3200/2933/2666 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 9.5 mm)
Expansion Slot	2 x M.2 2280, M Key / 1 x M.2 2230, E Key 1 x PCIe Gen3 x 16 / 1 x PCIe Gen3 x 1 (PCIe card size Max 205 x 120 x 45mm)
HDMI Port	1
DisplayPort	1
VGA Port	Optional
USB 3.2 (Front)	Gen1 : 2
USB 3.2 (Rear)	Gen1 : 2
USB 2.0 (Front)	2
USB 2.0 (Rear)	2
COM Port	RS232 x 1 (Optional)
Line in/ Line out/Mic in	- / 1 / 1
Network	LAN : 1 x Intel® 1G LAN WLAN: Optional
VESA	Bracket included
Dimension	L : 250 x W: 200 x H : 95 mm
Weight	NW (kg) : 2.98 / GW (kg) : 3.49
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, VCCI, RoHS
Operating Temperature (°C)	0~50
Chassis	Metal
Power Supply	Power Input : 19V DC in Bundled Adapter : 19.5V/9.23A 180W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	PVG01, PRC01, WLN-M, WWN03

* Graphics and PCIe specifications may vary depending on CPU support

XH510G

Cooling system	Smart fan
Processor	Intel® 11 th /10 th Gen LGA1200 socket Core i3/i5/i7/i9, Pentium, Celeron 65W processor
Chipset	Intel® H5 10
Graphics	Intel® UH D Graphics series
Display Resolution Max.	HDMI : 4096 x 2160@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	2 Independent Displays
Video Decoder	MPEG2, WMV9 / VC1, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9, AV1
Memory	2 x DDR4 3200/2933/2666 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 9.5 mm)
Expansion Slot	2 x M.2 2280, M Key / 1 x M.2 2230, E Key 1 x PCIe Gen3 x 16 (PCIe card size Max 208.5 x 120 x 30mm)
HDMI Port	1
DisplayPort	1
VGA Port	Optional
USB 3.2 (Front)	Gen1 : 2
USB 3.2 (Rear)	Gen1 : 2
USB 2.0 (Front)	2
USB 2.0 (Rear)	2
COM Port	RS232 x 1 (Optional)
Line in/ Line out/Mic in	- / 1 / 1
Network	LAN : 1 x Intel® 1G LAN WLAN: Optional
VESA	Bracket included
Dimension	L : 250 x W: 200 x H : 78.5 mm
Weight	NW (kg) : 1.9 / GW (kg) : 3.2
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, VCCI, RoHS
Operating Temperature (°C)	0~50
Chassis	Metal
Power Supply	Power Input : 19V DC in Bundled Adapter : 19.5V/9.23A 180W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	PVG01, WLN-M, PS01

XH410G

Cooling system	Smart fan
Processor	Intel® 10 th Gen LGA1200 socket Core i3/i5/i7/i9, Pentium, Celeron 65W processor
Chipset	Intel® H410
Graphics	Intel® UHD Graphics series
Display Resolution Max.	HDMI : 4096 x 2160@60Hz VGA : 1920 x 1080@60Hz
Display Output	2 Independent Displays
Video Decoder	MPEG2, WMV9 / VC1, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9, AV1
Memory	2 x DDR4 2933/2666 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 9.5 mm)
Expansion Slot	1 x M.2 2280, M Key / 1 x M.2 2230, E Key 1 x PCIe Gen3 x 16 (PCIe card size Max 208 x 120 x 30mm)
HDMI Port	1
DisplayPort	-
VGA Port	1
USB 3.2 (Front)	Gen1 : 2
USB 3.2 (Rear)	Gen1 : 2
USB 2.0 (Front)	2
USB 2.0 (Rear)	2
COM Port	RS232 x 1 (Optional)
Line in/ Line out/Mic in	- / 1 / 1
Network	LAN : 1 x Intel® 1G LAN WLAN: Optional
VESA	Bracket included
Dimension	L : 250 x W: 200 x H : 78.5 mm
Weight	NW (kg) : 1.9 / GW (kg) : 3.2
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, VCCI, RoHS
Operating Temperature (°C)	0~50
Chassis	Metal
Power Supply	Power Input : 19V DC in Bundled Adapter : 19.5V/9.23A 180W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	WLN-M, PS01

XC60J

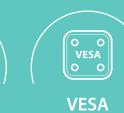
Cooling system	Fanless
Processor	Intel® Celeron J3355
Chipset	Integrated in CPU
Graphics	Intel® HD Graphics 500
Display Resolution Max.	HDMI : 3840 x 2160@30Hz VGA : 1920 x 1080@60Hz
Display Output	2 Independent Displays
Video Decoder	MPEG2, WMV9, VC1, H.264, JPEG / MPEG, MVC, HEVC / H.265, VP8, VP9
Memory	2 x DDR3L 1866 MHz, Max. 8GB
Storage	1 x 3.5" / 2.5" HDD/SSD
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1 x HDMI 1.4
DisplayPort	-
VGA Port	1
USB 3.2 (Front)	Gen1 : 2
USB 3.2 (Rear)	-
USB 2.0 (Front)	2
USB 2.0 (Rear)	2
COM Port	7 x RS232 / 1 x RS232/422/485, Support 5V/12V
Line in/ Line out/Mic in	- / 1 / 1
Network	LAN : 1 x Intel® 1G LAN WLAN: Optional
VESA	Optional (PV02)
Dimension	L : 238 x W: 200 x H : 72 mm
Weight	NW (kg) : 2.2 / GW (kg) : 3.5
Certification	CB, CE, BSMI, ETL, FCC, RCM, VCCI, RoHS
Operating Temperature (°C)	0~40
Chassis	Metal
Power Supply	Power Input : 12V or 19V DC in Bundled Adapter : 19V/3.42A 65W external adapter
Operating System	Windows 10 64bit, Linux
Optional Accessories	WLN-M, PS01, PV02

XPC SLIM 1L



Packed with Clever Features In A Slim 1L Volume

With just a few centimeters thick in dimension, the XPC slim 1L series packs with ingenious technology make it the capability of multitasking and suitable for any limited space. Offer multiple interfaces to deliver expandability. VESA mount is compliant and easy to fit in any place. It's ideal for AIoT and digital signage applications.



DH670 / DH670 V2



Compact 1-liter, Elite Performance, Future-Proof Agility

13th Gen Ready. AI-Enhancement and Four Displays

DH670 / DH670V2 supports Intel® Raptor Lake / Alder Lake hybrid architecture, combining high-performance and high-efficiency cores. Thanks to the new integrated Intel® UHD graphic processor, the model can deliver incredible clarity for 4K / 60P and bring more achievement to AI and computer vision applications. Quad-display is supported via two HDMI 2.0b and two DisplayPort. DH670 / DH670V2 offers multiple interfaces to deliver expandability and flexible connectivity, including four USB 3.2 Gen2, four USB 3.2 Gen1 (including one Type-C), two RS232 ports, and two M.2 expansion slots. It's suitable for various applications, such as digital signage and kiosk.



Feature

- Support 13th/12th Gen Intel® Core™, Pentium®, Celeron® 65W LGA 1700 processors
- Four independent displays via two HDMI 2.0b and two DisplayPort
- DH670 V2** : Dual Intel® 2.5 Gigabit LAN
DH670 : Dual Intel® Gigabit LAN
- Support up to 64GB DDR4-3200 memory
- Flexible connectivity** : 4 x USB 3.2 Gen2, 4 x USB 3.2 Gen1 (including one Type-C), 2 x RS232, 1 x M.2 2280 M Key (PCIe 4.0 x4/SATA), 1 x M.2 2230 E Key

DH610



13th Gen Power, Connectivity, 3-Display Efficiency in 1-liter Form

DH610 supports 13th/ 12th Gen Intel® Core™ i3/i5/i7/i9 processors. With Intel® new performance hybrid architecture and UHD graphics integrated, it computes performance for powering AI deployment. Support up to three displays via one HDMI 2.0 and two DisplayPort for display productivity and flexibility. Moreover, the model provides comprehensive connectivity with multiple ports, including four USB 3.2 Gen1 (Including one Type-C), four USB 2.0, two RS232, Intel® 2.5GbE + Intel® 1GbE LAN, and two M.2 expansion slots. DH610 can perform a reliable operation suitable for Office, Digital Signage, and other Multi-platform AI deployment.



Triple Display



USB 3.2 Gen1



2.5G LAN



24/7

Feature

Support 13th/12th Gen Intel® Core™, Pentium®, Celeron® 65W LGA 1700 processors

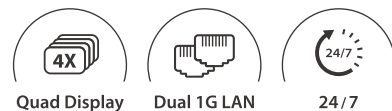
Intel® 2.5GbE + Intel® 1GbE LAN

24/7 operations in 0-50°C environments

Three independent displays via one HDMI 2.0b and two DisplayPort

4 x USB 3.2 Gen1 (including one Type-C), 4 x USB 2.0, 2 x RS232, 1 x M.2 2280 M Key (PCIe 3.0 x4/SATA), 1 x M.2 2230 E Key

DH32U/ DH32UE



Powerful 1-Liter PC with Intel Tiger Lake -U Supports Four Ultra HD Displays

Experience lightning-fast performance with the DH32U series, powered by Intel® 11th Tiger Lake-U processors and advanced technologies. CPU-integrated Intel® Iris® Xe graphics and high-speed DDR4-3200Mhz memory provide exceptional bandwidth for faster transmission and superior graphics performance, making DH32U series efficient for Edge IoT computing applications such as network video recorders in security systems, digital signage, and video-based machine vision tasks. With support for up to four independent displays at 4K resolution and 60Hz refresh rate via its four native HDMI outputs, DH32U/DH32UE delivers outstanding performance in video walls, control centers, video conferencing, and other multi-display applications.



Feature

CPU options of 11th Gen Intel® Core™ i3-1115G4 / i5-1135G7 / i7-1165G7, Pentium® 7505

Built-in Intel® Iris® Xe graphics*

Four Native HDMI 2.0b for Quad displays

1 x M.2 2280 M key (PCIe Gen 4 x 4/SATA mode) for SSD, 1 x M.2 2230 E key for WIFI

Rich IO ports :
4 x USB 3.2 Gen2, 4 x USB 3.2 Gen1, 2 x RS232, 2 x Intel® Gigabit LAN

EDID (Extended Display Identification Data):
Support by the DH32UE model, allowing uninterrupted content playback even with transmission interruptions.

* Intel® Iris® Xe graphics for Core™ i5/i7 model only



DH670/DH670 V2

Cooling system	Smart fan
Processor	Intel® 13 th /12 th Gen LGA1700 socket Core i3/i5/i7/i9, Pentium, Celeron 65W processor
Chipset	Intel® H670
Graphics	Intel® UHD Graphics series
Display Resolution Max.	HDMI : 4096 x 2160@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	4 Independent Displays
Video Decoder	WMV9, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP9, AV1
Memory	2 x DDR4 3200/2933/2666 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 12.5 mm) / 1 x SD card (only DH670)
RAID	0, 1
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	2
DisplayPort	2
VGA Port	Optional
USB 3.2 (Front)	Gen1 : 2(Include Type C x 1) / Gen2 : 2
USB 3.2 (Rear)	Gen1 : 2 / Gen2 : 2
USB 2.0 (Front)	-
USB 2.0 (Rear)	-
COM Port	1 x RS232 / 1 x RS232/422/485, Support 5V/12V
Line out / Mic in	1 / 1
Network	LAN : 2 x Intel® 1G LAN (DH670) / 2 x Intel® 2.5G LAN (DH670 V2) WLAN : Optional
VESA	Bracket included
Dimension	L : 190 x W: 165 x H : 43 mm
Weight	NW (kg) : 1.3 / GW (kg) : 2.05
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI
Operating Temperature (°C)	0~50
Chassis	Metal
Power Supply	Power Input : 19V DC in Bundled Adapter : 19V/6.32A 120W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	WLN-M, PVG01, PS02, WWN03

* BIOS v2.05 and up to version support Raptor Lake (13th) CPU



DH610

Cooling system	Smart fan
Processor	Intel® 13 th /12 th Gen LGA1700 socket Core i3/i5/i7/i9, Pentium, Celeron 65W processor
Chipset	Intel® H610
Graphics	Intel® UHD Graphics series
Display Resolution Max.	HDMI : 4096 x 2160@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	3 Independent Displays
Video Decoder	WMV9, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP9, AV1
Memory	2 x DDR4 3200/2933/2666 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 12.5 mm)
RAID	-
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
DisplayPort	2
VGA Port	Optional
USB 3.2 (Front)	Gen1 : 2(Include Type C x 1)
USB 3.2 (Rear)	Gen1 : 2
USB 2.0 (Front)	2
USB 2.0 (Rear)	2
COM Port	1 x RS232 / 1 x RS232/422/485, Support 5V/12V
Line out / Mic in	1 / 1
Network	LAN : 1 x Intel® 1G LAN / 1 x Intel® 2.5G LAN WLAN : Optional
VESA	Bracket included
Dimension	L : 190 x W: 165 x H : 43 mm
Weight	NW (kg) : 1.3 / GW (kg) : 2.05
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI
Operating Temperature (°C)	0~50
Chassis	Metal
Power Supply	Power Input : 12V or 19V DC in Bundled Adapter : 19V/6.32A 120W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	WLN-M, PVG01, PS02, WWN03

* BIOS v2.02 and up to version support Raptor Lake (13th) CPU



DH610S

Cooling system	Smart fan
Processor	Intel® 13 th /12 th Gen LGA1700 socket Core i3/i5/i7/i9, Pentium, Celeron 65W processor
Chipset	Intel® H610
Graphics	Intel® UHD Graphics series
Display Resolution Max.	HDMI : 4096 x 2160@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	2 Independent Displays
Video Decoder	WMV9, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP9, AV1
Memory	2 x DDR4 3200/2933/2666 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 12.5 mm)
RAID	-
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
DisplayPort	1
VGA Port	Optional
USB 3.2 (Front)	Gen1 : 2(Include Type C x 1)
USB 3.2 (Rear)	Gen1 : 2
USB 2.0 (Front)	2
USB 2.0 (Rear)	2
COM Port	-
Line out / Mic in	1 / 1
Network	LAN : 1 x Intel® 1G LAN WLAN: Optional
VESA	Optional
Dimension	L : 190 x W: 165 x H : 43 mm
Weight	NW (kg) : 1.3 / GW (kg) : 2.05
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI
Operating Temperature (°C)	0~50
Chassis	Metal
Power Supply	Power Input : 19V DC in Bundled Adapter : 19V/6.32A 120W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	WLN-M, PVG01, PS02, WWN03, PV04

* BIOS v2.01 and up to version support Raptor Lake (13th) CPU



DH470

Cooling system	Smart fan
Processor	Intel ® 10 th Gen LGA1200 socket Core i3/i5/i7/i9, Pentium, Celeron 65W processor
Chipset	Intel® H470
Graphics	Intel® UHD Graphics series
Display Resolution Max.	HDMI : 4096 x 2160@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	3 Independent Displays
Video Decoder	MPEG2, WMV9 / VC1, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9, AV1
Memory	2 x DDR4 2933/2666 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 12.5 mm) / 1 x SD card(Optional)
RAID	0, 1
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
DisplayPort	2
VGA Port	Optional
USB 3.2 (Front)	Gen1 : 2(Include Type C x 1) / Gen2 : 2
USB 3.2 (Rear)	Gen1 : 2 / Gen2 : 2
USB 2.0 (Front)	-
USB 2.0 (Rear)	-
COM Port	1 x RS232 / 1 x RS232/422/485, Support 5V/12V
Line out / Mic in	1 / 1
Network	LAN : 2 x Intel® 1G LAN WLAN: Optional
VESA	Bracket included
Dimension	L : 190 x W: 165 x H : 43 mm
Weight	NW (kg) : 1.2 / GW (kg) : 2
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI
Operating Temperature (°C)	0~50
Chassis	Metal
Power Supply	Power Input : 19V DC in Bundled Adapter : 19V/4.74A 90W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	WLN-M, PVG01, PS02, WWN03



DH410

Cooling system	Smart fan
Processor	Intel® 10 th Gen LGA1200 socket Core i3/i5/i7/i9, Pentium, Celeron 65W processor
Chipset	Intel® H410
Graphics	Intel® UHD Graphics series
Display Resolution Max.	HDMI : 4096 x 2160@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	2 Independent Displays
Video Decoder	MPEG2, WMV9 / VC1, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9, AV1
Memory	2 x DDR4 2933/2666 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 12.5 mm) / 1 x SD card(Optional)
RAID	-
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
DisplayPort	1
VGA Port	Optional
USB 3.2 (Front)	Gen1 : 2
USB 3.2 (Rear)	Gen1 : 2
USB 2.0 (Front)	2
USB 2.0 (Rear)	2
COM Port	1 x RS232 / 1 x RS232/422/485, Support 5V/12V
Line out / Mic in	1 / 1
Network	LAN : 2 x Intel® 1G LAN WLAN: Optional
VESA	Bracket included
Dimension	L : 190 x W: 165 x H : 43 mm
Weight	NW (kg) : 1.2 / GW (kg) : 2
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI
Operating Temperature(°C)	0~50
Chassis	Metal
Power Supply	Power Input : 12V or 19V DC in Bundled Adapter : 19V/4.74A 90W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	WLN-M, PVG01, PS02, WWN03



DH410S

Cooling system	Smart fan
Processor	Intel® 10 th Gen LGA1200 socket Core i3/i5/i7/i9, Pentium, Celeron 65W processor
Chipset	Intel® H410
Graphics	Intel® UHD Graphics series
Display Resolution Max.	HDMI : 3840 x 2160@30Hz DisplayPort : 4096 x 2160@60Hz
Display Output	2 Independent Displays
Video Decoder	MPEG2, WMV9 / VC1, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9, AV1
Memory	2 x DDR4 2933/2666 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 12.5 mm) / 1 x SD card(Optional)
RAID	-
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
DisplayPort	1
VGA Port	Optional
USB 3.2 (Front)	Gen1 : 2
USB 3.2 (Rear)	Gen1 : 2
USB 2.0 (Front)	2
USB 2.0 (Rear)	2
COM Port	-
Line out / Mic in	1 / 1
Network	LAN : 1 x Realtek 1G LAN WLAN: Optional
VESA	Optional
Dimension	L : 190 x W: 165 x H : 43 mm
Weight	NW (kg) : 1.2 / GW (kg) : 2
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI
Operating Temperature(°C)	0~50
Chassis	Metal
Power Supply	Power Input : 19V DC in Bundled Adapter : 19V/4.74A 90W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	WLN-M, PVG01, PS02, WWN03, PV04



DH32U SERIES

Cooling system	Smart fan
Processor	Intel® Pentium® Gold 7505 or Intel® i3-1115G4/i5-1135G7/i7-1165G7
Chipset	Integrated in CPU
Graphics	Intel® UHD or Iris® Xe Graphics
Display Resolution Max.	HDMI : 4096 x 2160@60Hz
Display Output	4 Independent Displays
Video Decoder	MPEG2, WMV9, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP9, AV1
Memory	2 x DDR4 3200/2933/2666 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 12.5 mm) / 1 x SD card
RAID	-
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	4
DisplayPort	-
VGA Port	Optional
USB 3.2 (Front)	Gen2 : 4
USB 3.2 (Rear)	Gen1 : 4
USB 2.0 (Front)	-
USB 2.0 (Rear)	-
COM Port	1 x RS232 / 1 x RS232/422/485, Support 5V/12V
Line out / Mic in	1 / 1
Network	LAN : 2 x Intel® 1G LAN WLAN: Optional
VESA	Bracket included
Dimension	L : 190 x W: 165 x H : 43 mm
Weight	NW (kg) : 1.03 / GW (kg) : 2.2
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI
Operating Temperature(°C)	0~50
Chassis	Metal
Power Supply	Power Input : 19V DC in Bundled Adapter : 19V/4.74A 90W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	WLN-M, PVG01, PS02, WWN03



DH02U SERIES

Cooling system	Smart fan
Processor	Intel® Celeron 3865U or Intel® i3-7100U/i5-7200U/i7-7500U
Chipset	Integrated in CPU
Graphics	NVIDIA GeForce GTX 1050 GPU 4GB
Display Resolution Max.	HDMI : 4096 x 2160@60Hz 8192 x 4320@60Hz in Surround Mode
Display Output	4 Independent Displays
Video Decoder	MPEG, MPEG2, VC1, VP9, AVC / H.264, HEVC / H.265, AV1
Memory	2 x DDR4 2133 MHz, Max. 32GB
Storage	1 x 2.5" HDD/SSD (max. 12.5 mm)
RAID	-
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	4 (HDMI 2.0)
DisplayPort	-
VGA Port	Optional
USB 3.2 (Front)	Gen1 : 2
USB 3.2 (Rear)	Gen1 : 2
USB 2.0 (Front)	2
USB 2.0 (Rear)	-
COM Port	1 x RS232
Line out / Mic in	1 / 1
Network	LAN : 1 x Intel® Gigabit LAN WLAN: Optional
VESA	Bracket included
Dimension	L : 190 x W: 165 x H : 43 mm
Weight	NW (kg) : 2.2 / GW (kg) : 3.5
Certification	CB, CE, BSMI, ETL, FCC, RCM, RoHS, VCCI
Operating Temperature(°C)	0~50
Chassis	Metal
Power Supply	Power Input : 19V DC in Bundled Adapter : 19V/6.32A 120W external adapter
Operating System	Windows 10 64bit, Linux
Optional Accessories	WLN-M, PS02

XPC FANLESS

Fanless, Energy-Efficient, And Silent Operation

XPC fanless series features a passive thermal cooling system, which ensures heat dissipation efficiency under varying computing workloads while combining low power consumption and reliability.

In addition, and in some verticle applications that run 24/7, the fanless design helps the system extend MTBF (mean time between failures) to minimize maintenance efforts and downtime costs.





DS50U^{SERIES}

Fanless Design With 5G/LTE Support Ready

Get Amplified Processing Power with 13th-Gen Raptor Lake-U

DS50U series is a 5G-supported fanless PC powered by Intel® 13th Gen Raptor Lake-U processor with Intel® Iris Xe graphics* and support up to 64GB DDR5 5200 memory, providing robust multi-core processing and powerful AI workloads. Combined with rich I/Os as HDMI 2.0b, DisplayPort 1.4a, VGA, USB3.2 Gen2, USB3.2 Gen1, RS232, and dual LAN. In addition, with the feature of passive cooling architecture, the DS50U series is virtually maintenance-free and is approved for 24/7 nonstop operation. The DS50U can be integrated into various IoT applications, such as IoT gateways, smart digital signage, visual processing, robotic automation control, edge computing, interactive kiosks, and more.

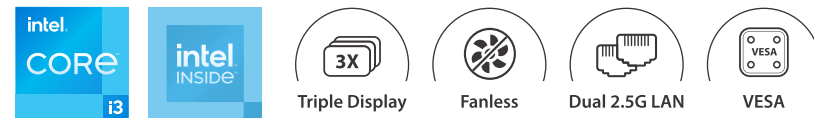


Feature

- CPU options of Intel® Core™ i3-1315U/ i5-1335U/i7-1355U and Intel® processor U300
- Support optional WiFi AC+BT kit and 5G/LTE network extension kit
- 1 x Intel® 2.5G LAN + 1 x Intel® 1G LAN
- Triple-display productivity via HDMI 2.0b, DisplayPort 1.4a, and VGA outputs
- Great connectivity** : 2 x USB3.2 Gen2, 4 x USB3.2 Gen1, 2 x USB2.0, 1 x RS232, 2 x M.2 2280 M Key and 1 x M.2 2230 E Key

* Intel® Iris® Xe graphics for Core™ i5/i7 model only

DL30N SERIES



Maximize IoT Capabilities With Reliable Fanless PC

12th Gen Processor, Dual 2.5G LAN, 4G/LTE Supports

The DL30N series is a fanless PC powered by Intel® Alder Lake-N series processors with DDR5 memory speeds up to 4800Hz. The integrated Intel® UHD graphics promise reliable performance for multitasking. Equipped with dual Intel® 2.5G LAN, it supports Wake On Lan. It is compatible with optional 802.11 AC WiFi and 4G/LTE adapter kit to enable excellent network applications. The device also features rich I/O interfaces, including HDMI 2.0b, DisplayPort 1.4a, VGA output, 8 x USB3.2 Gen1, and 2 x RS232, making it effortless to configure into various applications such as digital signage, POS/kiosk, IoT/edge, and more.



Feature

- CPU options of Intel® i3-N300 or Intel® Processor N200/N100
- 24/7 certified in 0-40°C environments
- Support optional WiFi AC+BT kit and 4G/LTE adapter kit
- Triple-display productivity via HDMI 2.0b, DisplayPort 1.4a, and VGA outputs
- Great connectivity** : 2 x Intel® 2.5G LAN, 8 x USB3.2 Gen1 and 2 x RS232

DS50U SERIES



Cooling system	Fanless
Processor	Intel® Processor U300 Intel® i3-1315U/i5-1335U/i7-1355U
Chipset	Integrated in CPU
Graphics	Intel® UHD or Iris® Xe Graphics
Display Resolution Max.	HDMI : 4096 x 2160@60Hz VGA : 1920 x 1080@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	3 Independent Displays
Video Decoder	WMV9, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP9, AV1
Memory	2 x DDR5 5200MHz Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 9.5 mm)
Expansion Slot	2 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
DisplayPort	1
VGA Port	1
USB 3.2 (Front)	Gen1 : 4 / Gen2 : 2
USB 3.2 (Rear)	-
USB 2.0 (Front)	-
USB 2.0 (Rear)	2
COM Port	1
Line out / Mic in	1 / 1
Network	LAN : 1 x Intel® 1G LAN + 1 x 2.5G LAN WLAN: Optional
VESA	Bracket included
Dimension	L : 200 x W: 165 x H : 39.5 mm
Weight	NW (kg) : TBD / GW (kg) : TBD
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI, UKCA
Operating Temperature (°C)	0~40
Chassis	Metal + Plastic
Power Supply	Power Input : 12V or 19V DC in Bundled Adapter : 19V/4.74A 90W external adapter
Operating System	Windows 11 64bit, Linux
Optional Accessories	WWN04, WLN-M

DS20U/DS20U V2 SERIES



Cooling system	Fanless
Processor	Intel® Celeron 5205U or Intel® i3-10110U/i5-10210U/i7-10510U
Chipset	Integrated in CPU
Graphics	Intel® UHD Graphics
Display Resolution Max.	HDMI : 4096 x 2160@60Hz VGA : 1920 x 1080@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	3 Independent Displays
Video Decoder	MPEG2, WMV9 / VC1, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9, AV1
Memory	2 x DDR4 2666/2400 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 12.5 mm) / 1 x SD card
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
DisplayPort	1
VGA Port	1
USB 3.2 (Front)	Gen1 : 2 (for Celeron) / Gen2 : 2 (for Core i series)
USB 3.2 (Rear)	Gen1 : 2 (for Celeron) / Gen2 : 2 (for Core i series)
USB 2.0 (Front)	4
USB 2.0 (Rear)	-
COM Port	1 x RS232/422/485, Support 5V/12V
Line out / Mic in	1 / 1
Network	LAN : 2 x Intel® 1G LAN (DS20U series) 1 x Intel® 1G LAN + 1 x 2.5G LAN (DS20U V2 series) WLAN : Optional
VESA	Bracket included
Dimension	L : 200 x W: 165 x H : 39.5 mm
Weight	NW (kg) : 1.4 / GW (kg) : 2.1
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI
Operating Temperature (°C)	0~40
Chassis	Metal + Plastic
Power Supply	Power Input : 12V or 19V DC in Bundled Adapter : 19V/3.42A 65W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	WWN03, WLN-M

DS10U SERIES



Cooling system	Fanless
Processor	Intel® Celeron 4205U or Intel® i3-8145U/i5-8265U/i7-8565U
Chipset	Integrated in CPU
Graphics	Intel® UHD Graphics
Display Resolution Max.	HDMI : 4096 x 2160@60Hz VGA : 1920 x 1080@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	3 Independent Displays
Video Decoder	MPEG2, WMV9 / VC1, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9
Memory	2 x DDR4 2400/2133 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 12.5 mm) / 1 x SD card
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
DisplayPort	1
VGA Port	1
USB 3.2 (Front)	Gen1 : 2 (for Celeron) / Gen2 : 2 (for Core i series)
USB 3.2 (Rear)	Gen1 : 2 (for Celeron) / Gen2 : 2 (for Core i series)
USB 2.0 (Front)	4
USB 2.0 (Rear)	-
COM Port	1 x RS232/422/485, Support 5V/12V
Line out / Mic in	1 / 1
Network	LAN : 2 x Intel® 1G LAN WLAN: Optional
VESA	Bracket included
Dimension	L : 200 x W: 165 x H : 39.5 mm
Weight	NW (kg) : 1.4 / GW (kg) : 2.1
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI, RED
Operating Temperature (°C)	0~40
Chassis	Metal + Plastic
Power Supply	Power Input : 12V or 19V DC in Bundled Adapter : 19V/3.42A 65W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	WWN03, WLN-M

DL30N SERIES



Cooling system	Fanless
Processor	Intel® i3-N300 or Intel® Processor N200/N100
Chipset	Integrated in CPU
Graphics	Intel® UHD Graphics
Display Resolution Max.	HDMI : 4096 x 2160@60Hz VGA : 1920 x 1080@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	3 Independent Displays
Video Decoder	MPEG2, WMV9 / VC1, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP9, AV1
Memory	1 x DDR5 4800MHz, Max. 16GB
Storage	1 x 2.5" HDD/SSD (max. 9.5mm)
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
DisplayPort	1
VGA Port	1
USB 3.2 (Front)	Gen1 : 4
USB 3.2 (Rear)	Gen1 : 4
USB 2.0 (Front)	-
USB 2.0 (Rear)	-
COM Port	1 x RS232 / 1 x RS232/422/485, Support 5V/12V
Line out / Mic in	1 / 1
Network	LAN : 2 x Intel® 2.5G LAN WLAN: Optional
VESA	Bracket included
Dimension	L : 190 x W: 165 x H : 43 mm
Weight	NW (kg) : TBD / GW (kg) : TBD
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI, UKCA
Operating Temperature (°C)	0~40
Chassis	Metal
Power Supply	Power Input : 12V or 19V DC in Bundled Adapter : 19V/3.42A 65W external adapter
Operating System	Windows 11 64bit, Linux
Optional Accessories	PS02, WWN03, WLN-M

DL20N/DL20N V2 SERIES



Cooling system	Fanless
Processor	Intel® Celeron N4505 or Intel® Celeron N5105/Pentium N6005
Chipset	Integrated in CPU
Graphics	Intel® UHD Graphics
Display Resolution Max.	HDMI : 4096 x 2160@60Hz VGA : 1920 x 1080@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	3 Independent Displays
Video Decoder	MPEG2, WMV9 / VC1, H.264, JPEG / MPEG, HEVC / H.265, VP9
Memory	2 x DDR4 2933/2666 MHz, Max. 16GB
Storage	1 x 2.5" HDD/SSD (max. 9.5mm) / 1 x SD card
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
DisplayPort	1
VGA Port	1
USB 3.2 (Front)	Gen2 : 2
USB 3.2 (Rear)	Gen1 : 2
USB 2.0 (Front)	-
USB 2.0 (Rear)	2
COM Port	1 x RS232 / 1 x RS232/422/485, Support 5V/12V
Line out / Mic in	1 / 1
Network	LAN : 1 x Intel® 1G LAN (DL20N series) 1 x Intel® 2.5G LAN (DL20N V2 series) WLAN: Optional
VESA	Bracket included
Dimension	L : 190 x W: 165 x H : 43 mm
Weight	NW (kg) : 1.5 / GW (kg) : 2.07
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI
Operating Temperature (°C)	0~40
Chassis	Metal
Power Supply	Power Input : 12V or 19V DC in Bundled Adapter : 19V/2.1A 40W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	PS02, WWN01, WWN03, WLN-M



Small Footprint, Palm-Sized Nano PC

The XPC nano series has only 14cm in width but is available in many different processor versions and is ready to maximize itself in every workplace. Rich I/O connectivity includes display productivity, high-speed storage interfaces, and peripherals.



XPC
NANO



NC40U^{SERIES}

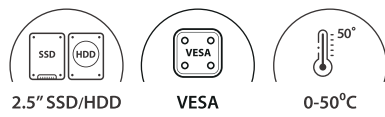


Palm-Sized Package with Functionality And 12th-Gen CPU Advantage

XPC Nano NC40U series is integrated with Intel® 12th Alder Lake-U hybrid architecture, providing multitasking capability and Iris® Xe graphics for superior performance in AI deployment and video encoding. Despite its 0.85L palm-sized design, it can accommodate one 2.5" hard disk (up to 15mm) and an additional NVMe SSD installation for flexible storage capacity. Offer a wealth of connectors with USB 3.2 Gen2, USB 3.2 Gen1, Intel® Gigabit Lan, HDMI, DisplayPort, and Type-C. It increases adaptability for various business applications such as office PCs, digital signage, conference rooms, kiosk for self-service, and so on.

Feature

- 12th Gen Intel® Core™ i7-1255U/i5-1235U/ i3-1215U, Celeron® 7305 processor
- Three independent displays via one HDMI 2.0b, one DisplayPort, and one Type-C
- Support up to 15mm 2.5-inch hard drive
- Built-in Intel® Iris® Xe graphics*
- *Intel® Iris® Xe graphics for Core™ i5/i7 model only
- 2 x M.2 2280 M key (1 of PCIe Gen 4 x4, and 1 of PCIe Gen3 x4/SATA mode), 1x M.2 2230 E key
- 2 x USB 3.2 Gen2, 5 x USB 3.2 Gen1 (including one Type-C), Intel® Gigabit LAN



NC40U^{SERIES}



Cooling system	Smart fan
Processor	Intel® Celeron 7305 or Intel® i3-1215U/i5-1235U/i7-1255U
Graphics	Intel® UHD or Iris® Xe Graphics
Display Resolution Max.	HDMI : 4096 x 2160@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	3 Independent Displays
Video Decoder	WMV9, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP9, AV1
Memory	2 x DDR4 3200/2933/2666 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 15 mm)
Expansion Slot	2 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
DisplayPort	1
Type-C	1
USB 3.2 (Front)	Gen1 : 3 (Include Type C x 1)
USB 3.2 (Rear)	Gen1 : 2 / Gen2 : 2
USB 2.0 (Front)	-
USB 2.0 (Rear)	-
COM Port	-
Line out / Mic in	1 / 1
Network	LAN : 1 x Intel® 1G LAN WLAN: Optional
VESA	Bracket included
Stand	Bracket included
Dimension	L : 142 x W: 142 x H : 42 mm
Weight	NW (kg) : TBC / GW (kg) : TBC
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI, UKCA
Operating Temperature (°C)	0~50
Chassis	Plastic
Power Supply	Power Input : 19V DC in Bundled Adapter : 19V/3.42A 65W external adapter
Operating System	Windows 11 64bit, Linux

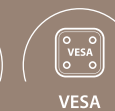
NC10U^{SERIES}



Cooling system	Smart fan
Processor	Intel® Celeron 4205U or Intel® i3-8145U/i5-8265U/i7-8565U
Graphics	Intel® UHD Graphics series
Display Resolution Max.	HDMI : 4096 x 2160@60Hz DisplayPort : 4096 x 2160@60Hz
Display Output	2 Independent Displays
Video Decoder	MPEG2, WMV9 / VC1, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9
Memory	2 x DDR4 2400/2133 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 15 mm) / 1 x SD card
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
DisplayPort	1
Type-C	-
USB 3.2 (Front)	Gen1 : 2 (Include Type C x 1)
USB 3.2 (Rear)	-
USB 2.0 (Front)	-
USB 2.0 (Rear)	2
COM Port	1 x RS232
Line out / Mic in	1(Combo)
Network	LAN : 1 x Intel® 1G LAN WLAN: Realtek 802.11 b/g/n
VESA	Bracket included
Stand	Bracket included
Dimension	L : 142 x W: 142 x H : 42 mm
Weight	NW (kg) : 0.4 / GW (kg) : 1.2
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, VCCI, RoHS, RED
Operating Temperature (°C)	0~50
Chassis	Plastic
Power Supply	Power Input : 19V DC in Bundled Adapter : 19V/3.42A 65W external adapter
Operating System	Windows 10/11 64bit, Linux



XPC AIO



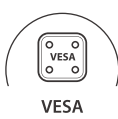
Simply Touch, Easy Use All-In-One

XPC all-in-one series provides multiple-size options to meet any interactive applications. Thanks to a splash-proof and touch-sensitive screen, no need for any mouse or keyboard to operate. Ready to take on a massive task in only a device.



Fanless All-in-One PC Solution With 19.5" Multi-Touch Display

The P92U series is a 19.5" all-in-one PC with 10-point multi-touch functionality of capacitive type. It is equipped with an Intel® Core™ i3/i5/Celeron® processor, fanless cooling system, and 16:9 touch screen, making it ideal for digital out-of-home (DOOH) solutions. It provides HDMI and VGA interface to connect with additional two displays. Thanks to its IP54-rated front panel, it can be protected by dust and water-splash resistance. Passive cooling techniques allow the P92U to run 24/7 operation quietly and virtually maintenance-free.



Multi-Touch

IP54

Fanless

VESA

Feature

- CPU options of Intel® Core™ i3-10110U / i5-10210U, Celeron® 5205U
- Include HDMI and VGA outputs for three displays
- 24/7 certified in 0-40°C environments
- 19.5" capacitive screen with 10-point multi-touch
- Excellent connectivity :**
4 x USB3.2 Gen1, 2 x USB2.0, SD card reader, Intel® Gigabit LAN and WiFi AC+BT 4.2

P92U SERIES



P52U SERIES



15.6" Multi-Touch All-in-One PC For POS, POI, and Kiosk

The 15.6" P52U series all-in-one PC combines a capacitive touchscreen offering accurate and precise 10-point touch response with a high-definition and 16:9 widescreen format LCD to create a multi-touch display that meets the most demanding interactive applications. It is equipped with the Intel® Comet Lake-U processor, which provides outstanding performance while achieving better energy efficiency. Built-in HDMI and VGA added the ability to connect two external displays. With passive cooling and the IP54 front panel, the P52U series runs exceptionally silent, robust, and stable for 24/7 operation.

Feature

- CPU options of Intel® Core™ i3-10110U / i5-10210U, Celeron® 5205U
- 15.6" multi-touch screen with gloves support
- Include HDMI and VGA outputs for three displays
- Excellent connectivity : 4 x USB3.2 Gen1, 2 x USB2.0, SD card reader, and Intel® Gigabit LAN
- 24/7 certified in 0-40°C environments



P22U

Fanless 11.6" All-in-One For Your Unique POS Setup

The P22U is an 11.6" all-in-one PC with capacitive multi-touch functionality, powered by Intel® Comet Lake-U Celeron® 5205U dual-core processor for high performance and better energy efficiency. It is designed for convenient connectivity, including 4 x USB 3.2 Gen1, 2 x USB 2.0, 2 x COM, Intel® Gigabit LAN, SD card reader, HDMI, and VGA. With the IP54-compliant front panel and completely fanless, the P22U offers quiet and long-term stable operation. It can easily connect to other commercial devices such as barcode scanners, printers, and cash drawers, making it the ideal choice for building stylish and reliable point-of-sale applications in food trucks, cafes, retail stores, restaurants, and hotels.

Feature

- | | | |
|---|--|---------------------------------------|
| Intel® Celeron® 5205U | 11.6" capacitive screen 10-point multi-touch | Support 12V DC/voltage input |
| Support triple display via HDMI and VGA | Optional COM/RJ11 expansion card | 24/7 certified in 0-40°C environments |



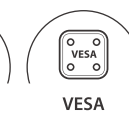
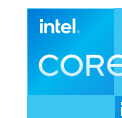
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Edge Intelligent Enterprise

X50V9^{SERIES}

Modern 15.6" All-in-One With Optional 5G/LTE Upgrade

Single-Touch, Fanless, Raptor Lake-U Features

Shuttle X50V9 series is an all-in-one PC compatible with 5G connectivity. Powered by Intel® Raptor Lake-U processor architecture and Intel® UHD graphics, the series supports dual DDR5-5200 memory, performing effortless multitasking and enhanced computing power. Additionally, it is designed to fit in commercial applications with its 15.6-inch single-touch screen and excellent connectivity, including USB3.2 Gen2, USB3.2 Gen1, HDMI, VGA, FHD Webcam, Intel® Gigabit LAN, WiFi AC+BT 5.0, and optional RS232. In addition, the front panel IP54 guarantees dust and splash water resistance. This series is mainly deployed into Kiosks and point-of-sale (POS) solutions for use in restaurants, retail, hotels, airports, and more.



Feature

CPU options of Intel® U300 or i3-1315U

Triple display productivity via HDMI and VGA

15.6" capacitive screen single-touch

24/7 certified in 0-40°C environments

2 x USB3.2 Gen2, 4 x USB3.2 Gen1, FHD Webcam, Intel® Gigabit LAN, WiFi AC+BT 5.0, 2 x M.2 2280 M Key, and 1 x M.2 2230 E Key

Support optional 5G/LTE network extension kit and RS232 ports

P92U SERIES

Color	Black / White
Screen	19.5" LCD (16:9, 1600 x 900), 250 nits Multi touch
Processor	Intel® Celeron 5205U or Intel® i3-10110U/i5-10210U
Graphics	Intel® UHD Graphics
Display Resolution Max.	HDMI : 3840 x 2160@30Hz VGA : 1920 x 1080@60Hz
Video Decoder	MPEG2, WMV9 / VC1, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9, AV1
Memory	2 x DDR4 2666/2400 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 9.5 mm) / 1 x SD card
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
VGA Port	1
USB 3.2 (Bottom)	Gen1 : 2
USB 3.2 (Side)	Gen1 : 2
USB 2.0 (Bottom)	2
USB 2.0 (Side)	-
USB 2.0 (Internal)	1 (Type A)
COM Port	Optional
Line out / Mic in	1 / 1
Network	LAN : 1 x Intel® 1G LAN WLAN: Realtek 802.11 a/b/g/n/ac / Bluetooth 5.0
Communication	Webcam : 2M FHD Microphone : Capacitor Speaker: 2 x 2W
VESA	Support 100 x 100 mm
Dimension	W : 487 x H: 321 x D : 44 mm
Weight	NW (kg) : 4.29 / GW (kg) : 5.62
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI, RED
Operating Temperature (°C)	0~40
IP Level	Front Panel IP54
Power Supply	Power Input : 12V or 19V DC in Bundled Adapter : 19V/3.42A 65W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	PCL71, POS01



P90U SERIES

Color	Black / White
Screen	19.5" LCD (16:9, 1600 x 900), 250 nits Multi touch
Processor	Intel® Celeron 3865U or Intel® i3-7100U/i5-7200U
Graphics	Intel® UHD Graphics
Display Resolution Max.	HDMI : 3840 x 2160@30Hz VGA : 1920 x 1080@60Hz
Video Decoder	MPEG2, WMV9 / VC1, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9
Memory	2 x DDR4 2133 MHz, Max. 32GB
Storage	1 x 2.5" HDD/SSD (max. 9.5 mm) / 1 x SD card
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
VGA Port	1
USB 3.2 (Bottom)	Gen1 : 2
USB 3.2 (Side)	-
USB 2.0 (Bottom)	2
USB 2.0 (Side)	2
USB 2.0 (Internal)	1 (Type A)
COM Port	Optional
Line out / Mic in	1 / 1
Network	LAN : 1 x Intel® 1G LAN WLAN: Realtek 802.11 a/b/g/n/ac / Bluetooth 4.2
Communication	Webcam : 2M FHD Microphone : Capacitor Speaker: 2 x 2W
VESA	Support 100 x 100 mm
Dimension	W : 487 x H: 321 x D : 44 mm
Weight	NW (kg) : 4.29 / GW (kg) : 5.62
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI, RED
Operating Temperature (°C)	0~40
IP Level	Front Panel IP54
Power Supply	Power Input : 12V or 19V DC in Bundled Adapter : 19V/3.42A 65W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	PCL71, POS01



P52U SERIES

Color	Black / White
Screen	15.6" LCD (16:9, 1920 x 1080), 250 nits Multi touch
Processor	Intel® Celeron 5205U or Intel® i3-10110U/i5-10210U
Graphics	Intel® UHD Graphics
Display Resolution Max.	HDMI : 3840 x 2160@30Hz VGA : 1920 x 1080@60Hz
Video Decoder	MPEG2, WMV9 / VC1, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9, AV1
Memory	2 x DDR4 2666/2400 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 9.5 mm) / 1 x SD card
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
VGA Port	1
USB 3.2 (Bottom)	Gen1 : 2
USB 3.2 (Side)	Gen1 : 2
USB 2.0 (Bottom)	2
USB 2.0 (Side)	-
USB 2.0 (Internal)	-
COM Port	2 x RS232 (Max. 4)
Line out / Mic in	1 / 1
Network	LAN : 1 x Intel® 1G LAN WLAN: Optional
Communication	Webcam : 2M FHD Microphone : Capacitor Speaker: 2 x 2W
VESA	Support 100 x 100 mm
Dimension	W : 393.6 x H: 272.5 x D : 39.8 mm
Weight	NW (kg) : 3.25 / GW (kg) : 4.5
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI
Operating Temperature (°C)	0~40
IP Level	Front Panel IP54
Power Supply	Power Input : 12V or 19V DC in Bundled Adapter : 19V/3.42A 65W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	POS03, WLN-M



P22U^{SERIES}



Color	Black
Screen	11.6" LCD (16:9, 1366 x 768), 250 nits Multi touch
Processor	Intel® Celeron 5205U
Graphics	Intel® UHD Graphics
Display Resolution Max.	HDMI : 3840 x 2160@30Hz VGA : 1920 x 1080@60Hz
Video Decoder	MPEG2, WMV9 / VC1, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9, AV1
Memory	2 x DDR4 2400 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 9.5 mm) / 1 x SD card
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
VGA Port	1
USB 3.2 (Bottom)	Gen1 : 2
USB 3.2 (Side)	Gen1 : 2
USB 2.0 (Bottom)	2
USB 2.0 (Side)	-
USB 2.0 (Internal)	-
COM Port	2 x RS232 (Max. 4)
Line out / Mic in	1 / 1
Network	LAN : 1 x Intel® 1G LAN WLAN: Optional
Communication	Webcam : 2M FHD Microphone : Capacitor Speaker: 1 x 2W
VESA	Support 100 x 100 mm
Dimension	W : 299 x H: 203 x D : 50 mm
Weight	NW (kg) : 2.47 / GW (kg) : 3.39
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI
Operating Temperature (°C)	0~40
IP Level	Front Panel IP54
Power Supply	Power Input : 12V or 19V DC in Bundled Adapter : 19V/3.42A 65W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	POS02, WLN-M

X50V9^{SERIES}



Color	Black / White
Screen	15.6" LCD (16:9, HD 1366 x 768), 220 nits Single touch
Processor	Intel® Processor U 300 or Intel® i3-1315U
Graphics	Intel® UHD Graph ics
Display Resolution Max.	HDMI : 4096 x 21 60@60Hz VGA : 1920 x 108 0@60Hz
Video Decoder	WMV9, AVC / H.2 64, JPEG / MPEG, HEVC / H.265, VP9, AV1
Memory	2 x DDR5 up to 52 00 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 9.5 mm)
Expansion Slot	2 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
VGA Port	1
USB 3.2 (Bottom)	Gen1 : 2 / Gen2 : 2
USB 3.2 (Side)	Gen1 : 2
USB 2.0 (Bottom)	-
USB 2.0 (Side)	-
USB 2.0 (Internal)	1 (Type A)
COM Port	Optional (Max. 2)
Line out / Mic in	1 / 1
Network	LAN : 1 x Intel® 1G LAN WLAN: Realtek 80 2.11 a/b/g/n/ac / Bluetooth 5.0
Communication	Webcam : 2M FH D Microphone : Cap acitor Speaker: 2 x 2W
VESA	Support 100 x 10 0 mm
Dimension	W : 391 x H: 327 x D : 42 mm
Weight	NW (kg) : 3.13 / GW (kg) : 4.16
Certification	CB, CE, BSMI, cT U Vus, FCC, RCM, RoHS, VCCI, RED, UKCA
Operating Temperature (°C)	0~40
IP Level	Front Panel IP54
Power Supply	Power Input : 12V or 19V DC in Bundled Adapter : 19V/4.74A 90W external adapter
Operating System	Windows 11 64bit , Linux
Optional Accessories	WWN04

X50V8^{SERIES}



Color	Black / White
Screen	15.6" LCD (16:9, HD 1366 x 768), 220 nits Single touch
Processor	Intel® Celeron 5205U or Intel® i3-10110U
Graphics	Intel® UHD Graphics
Display Resolution Max.	HDMI : 3840 x 2160@30Hz VGA : 1920 x 1080@60Hz
Video Decoder	MPEG2, WMV9 / VC1, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP8, VP9, AV1
Memory	2 x DDR4 2666/2400 MHz, Max. 64GB
Storage	1 x 2.5" HDD/SSD (max. 9.5 mm) / 1 x SD card
Expansion Slot	1 x M.2 2280, M Key 1 x M.2 2230, E Key
HDMI Port	1
VGA Port	1
USB 3.2 (Bottom)	Gen1 : 2
USB 3.2 (Side)	Gen1 : 2
USB 2.0 (Bottom)	2
USB 2.0 (Side)	-
USB 2.0 (Internal)	1 (Type A)
COM Port	Optional (Max. 4)
Line out / Mic in	1 / 1
Network	LAN : 1 x Intel® 1G LAN WLAN: Realtek 802.11 a/b/g/n/ac / Bluetooth 5.0
Communication	Webcam : 2M FHD Microphone : Capacitor Speaker: 2 x 2W
VESA	Support 100 x 100 mm
Dimension	W : 391 x H: 327 x D : 42 mm
Weight	NW (kg) : 3.13 / GW (kg) : 4.16
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, RoHS, VCCI, RED
Operating Temperature (°C)	0~40
IP Level	Front Panel IP54
Power Supply	Power Input : 12V or 19V DC in Bundled Adapter : 19V/3.42A 65W external adapter
Operating System	Windows 10/11 64bit, Linux
Optional Accessories	PCL71, POS01

DIGITAL SIGNAGE



Arm-Based User-Friendly Digital Signage Solution

The digital signage solution effectively uses a powerful integrated ARM-based computing engine to reduce power consumption. In addition, pre-installed Shuttle digital signage software allows users to easily schedule and dispatch the digital signage content through their mobile devices.



Fanless



Android



WiFi AC



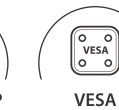
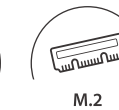
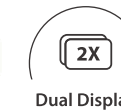
VESA

Versatile Stylish Digital Signage

Quad-Core Power, Dual Clear Displays

Shuttle's NS03 series consist of two models – NS03A and NS03E. These models provide a convenient and efficient solution for digital signage, all within a space-saving 0.5-liter form factor. Powered by a 2.0GHz quad-core Rockchip 3568 processor, they offer dual-display capabilities with one supporting 4K resolution and feature versatile storage options. The system comes pre-loaded Android 11, and the digital signage application "DS Creator Duo" boasts an easy-to-use interface that allows user to effortlessly schedule and dispatch content to the NS03 series through their mobile devices. Moreover, the NS03E model in this series supports Power over Ethernet (PoE) and VESA mounting, making it perfectly suitable for diverse commercial applications such as hospitality, retail, transportation, department stores, and more.

NS03^{SERIES}



Feature

Dual display :
HDMI 2.0(4K) x 1 and HDMI 1.4(FHD)

Built-in 2GB DDR4 memory and
32GB eMMC

802.11 a/b/g/n/ac and
Bluetooth 5.2 combo

Storage options : SD card Reader and
M.2 2280 SSD (optional)

Built-in 10/100/1000 Mbps Ethernet with PoE*
(Only NS03E model has PoE functionality)

Android 11





NS03A

Processor	Rockchip RK3568 Quad Core up to 2.0GHz (ARM Cortex-A55)
Display Resolution Max.	HDMI 2.0 : 3840 x 2160@60Hz HDMI 1.4 : 1920 x 1080@60Hz
Display Output	2 Independent Displays
Video Decoder	H.265, H.264, H.263, VP9, VP8, VC1,MPEG-1/2/4
Memory	2GB (default) / 4GB (option)
Storage	EMMC : 32GB Expansion : 1 x M.2 2280, M Key / 1 x SD card
HDMI Port	1 x HDMI 2.0 / 1 x HDMI 1.4
USB 3.2 Gen 1 (Front)	2
USB 2.0 (Rear)	2
Line out / Mic in Combo	1
Network	LAN : 1 x Realtek Gigabit LAN WLAN : 802.11 a/b/g/n/ac / Bluetooth 5.2
VESA Mount	Bracket included
Dimension	L : 141 x W: 141 x H : 29 mm
Weight	NW (kg) : 0.27 / GW (kg) : 0.65
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, UKCA, VCCI
Operating Temperature (°C)	0~40
Chassis	Plastic
Power Supply	Power Input : 12V DC in Bundled Adapter : 12V / 3A 36W external adapter
Operating System	Android 11 (Pre-installed digital signage software)
Optional Accessories	-



NS03E

Processor	Rockchip RK3568 Quad Core up to 2.0GHz (ARM Cortex-A55)
Display Resolution Max.	HDMI 2.0 : 3840 x 2160@60Hz HDMI 1.4 : 1920 x 1080@60Hz
Display Output	2 Independent Displays
Video Decoder	H.265, H.264, H.263, VP9, VP8, VC1,MPEG-1/2/4
Memory	2GB (default) / 4GB (option)
Storage	EMMC : 32GB Expansion : 1 x M.2 2280, M Key / 1 x SD card
HDMI Port	1 x HDMI 2.0 / 1 x HDMI 1.4
USB 3.2 Gen 1 (Front)	2
USB 2.0 (Rear)	2
Line out / Mic in Combo	1
Network	LAN : 1 x Realtek Gigabit LAN (Support PoE, 802.3at) WLAN : 802.11 a/b/g/n/ac / Bluetooth 5.2
VESA Mount	Bracket included
Dimension	L : 141 x W: 141 x H : 29 mm
Weight	NW (kg) : 0.3 / GW (kg) : 0.52
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, UKCA, VCCI
Operating Temperature (°C)	0~40
Chassis	Plastic
Power Supply	Power Input : Support POE (PD), 802.3at Bundled Adapter : -
Operating System	Android 11 (Pre-installed digital signage software)
Optional Accessories	-



NS02A V2

Processor	Rockchip RK3368 Octa Core 1.5GHz (ARM Cortex-A53)
Display Resolution Max.	HDMI : 3840 x 2160@60Hz
Display Output	1 Display
Video Decoder	H.264, H.265, VC1, MPEG-1/2/4, VP8
Memory	2GB (default) / 4GB (option)
Storage	EMMC : 16GB (default) / 32GB (option) Expansion : 1 x 2.5" HDD/SSD (max. 7 mm) (Optional) / 1 x SD card
HDMI Port	1 x HDMI 2.0
USB 2.0 (Front)	2
USB 2.0 (Rear)	2
Line out / Mic in Combo	1
Network	LAN : 1 x Realtek Gigabit LAN WLAN : 802.11 a/b/g/n/ac / Bluetooth 5.0
VESA Mount	Bracket included
Dimension	L : 141 x W: 141 x H : 29 mm
Weight	NW (kg) : 0.27 / GW (kg) : 0.65
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, VCCI, R&TTE
Operating Temperature (°C)	0~40
Chassis	Plastic
Power Supply	Power Input : 12V DC in Bundled Adapter : 12V / 2A 24W external adapter
Operating System	Android 8.1 (Pre-installed digital signage software)
Optional Accessories	PHD5



NS02E V2

Processor	Rockchip RK3368 Octa Core 1.5GHz (ARM Cortex-A53)
Display Resolution Max.	HDMI : 3840 x 2160@60Hz
Display Output	1 Display
Video Decoder	H.264, H.265, VC1, MPEG-1/2/4, VP8
Memory	2GB (default) / 4GB (option)
Storage	EMMC : 16GB (default) / 32GB (option) Expansion : 1 x 2.5" HDD/SSD (max. 7 mm) (Optional) / 1 x SD card
HDMI Port	1 x HDMI 2.0
USB 2.0 (Front)	2
USB 2.0 (Rear)	2
Line out / Mic in Combo	1
Network	LAN : 1 x Realtek Gigabit LAN (Support PoE, 802.3at) WLAN : 802.11 a/b/g/n/ac / Bluetooth 5.0
VESA Mount	Bracket included
Dimension	L : 141 x W: 141 x H : 29 mm
Weight	NW (kg) : 0.3 / GW (kg) : 0.52
Certification	CB, CE, BSMI, cTUVus, FCC, RCM, VCCI, R&TTE
Operating Temperature (°C)	0~40
Chassis	Plastic
Power Supply	Power Input : Support POE (PD), 802.3at Bundled Adapter : -
Operating System	Android 8.1 (Pre-installed digital signage software)
Optional Accessories	PHD5

ACCESSORY LIST

		XPC CUBE					XPC SLIM (3L)					XPC SLIM (1L)					XPC FANLESS					XPC NANO		XPC ALL-IN-ONE					DIGITAL SIGNAGE											
		SH610R4	SW/580R8	SH570R8	SH570R6	SH510R4	XH610 S	XH510G2	XH510G	XH410G	XC60J	DH670 / DH670 V2	DH610	DH610S	DH470	DH410	DH410S	DH32U S	DH02U S	DL20N / DL20N V2 S	DL30N S	DS10U S	DS20U / DS20U V2 S	DS50U S	DL20N / DL20N V2 S	DL30N S	DS10U S	DS20U / DS20U V2 S	DS50U S	NC10U S	NC40U S	P92U S	P90U S	P52U S	P22U	X50V9 S	X50V8 S	NS02 V2		
PCL71	2x COM, 1x LPT expansion																																							PCL71
PCM31	3x COM																																							PCM31
PHD3	2.5" HDD/SSD expansion frame																																							PHD3
PHD4	3.5" HDD expansion frame																																							PHD4
PHD5	2.5" HDD expansion frame																																							PHD5
POS01	4x COM, 1x LPT, 1x DIO expansion																																							POS01
POS02	2x USB2.0, 1x RJ11, 4x COM (COM3 support RS232/422/485 0V,5V,12V) expansion																																							POS02
POS03	2x USB2.0, 1x RJ11, 4x COM (COM3 support RS232/422/485 0V,5V,12V) expansion																																							POS03
PRC01	PCIe Raise Card with cables kit for graphics card's extra power																																							PRC01
PS01	Vertical stand																																							PS01
PS02	Vertical stand																																							PS02
PV02	VESA kit																																							PV02
PVG01	VGA adapter																																							PVG01
WLN-M	Wi-Fi expansion																																							WLN-M
WWN03	4G / LTE antenna-adapter board set																																							WWN03
WWN04	5G / LTE antenna-adapter board set																																							WWN04