

Spring / Summer 2023

MINI-PC PRODUCT GUIDE

Shuttle[®]

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

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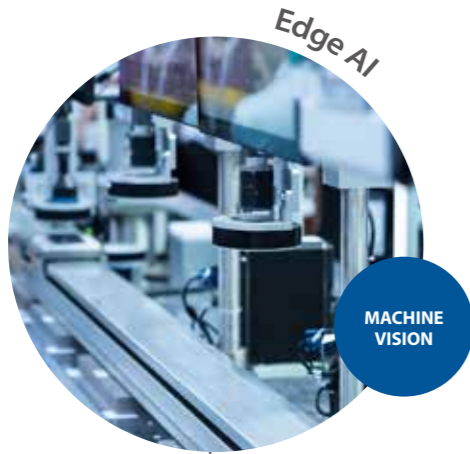
- DIGITAL SIGNAGE
- SMART RETAIL
- EDGE COMPUTING
- IOT SOLUTION
- AUTOMATION CONTROL
- SMART MEDICAL
- KIOSK SOLUTION

Company Profile

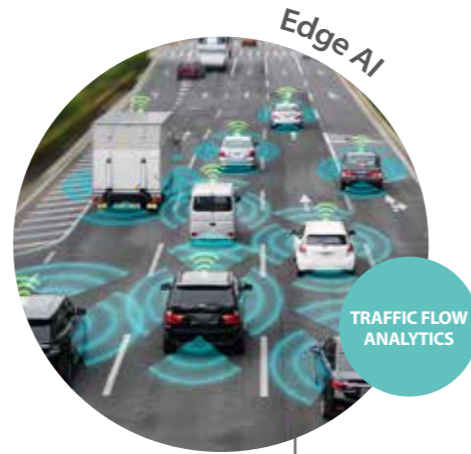
Since being founded in 1983, Shuttle has laid a solid foundation in developing compact commercial and industrial computers. We are proud of our ability to innovate, design and manufacture cutting-edge computer products, including mini PCs, all-in-one PCs, edge computing, embedded computers, and industrial 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.

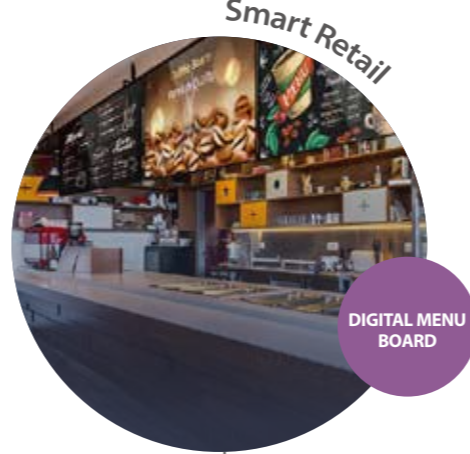
Applications



Edge AI



Edge AI



Smart Retail

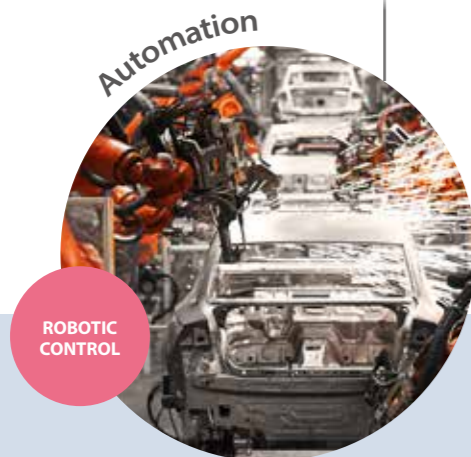


Smart Retail



Smart Retail

XPC Product Line



Automation



Security



Video Wall



Medical



Enterprise

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

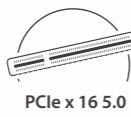
SH610R4



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.



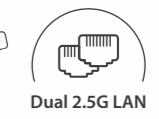
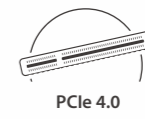
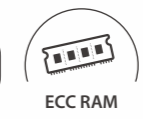
Feature

- 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, Teaming Mode
- 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

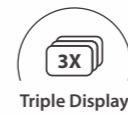
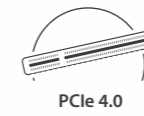


Connect, Create, and Work Faster For Seamless Multi-Tasking

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
- Equipped one PCIe 4.0 x16, one PCIe 3.0 x4 and one PCIe 3.0 M.2 2280 Socket
- 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
- Three 4K displays via one HDMI 2.0b and two DisplayPort
- Dual Intel® Gigabit LAN supports Wake On LAN and Teaming Mode function



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 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	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 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 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	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: 216 x 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
-  24/7
-  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

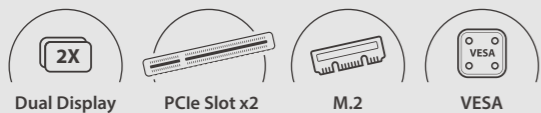
With Easy Integration 3.5" Drive Compatible and Expandable COMs

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.

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

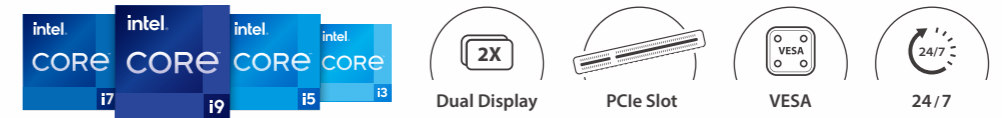


Versatile 3-liter PC for Expanded Possibilities

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



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. 12.5 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, WVN03

* 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® 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. 12.5 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. 12.5 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



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

13th Gen Ready. AI-Enhancement and Four Displays

DH670 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 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
- 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.

intel CORE i7 intel CORE i9 intel CORE i5 intel CORE i3
 3X 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



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
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 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.

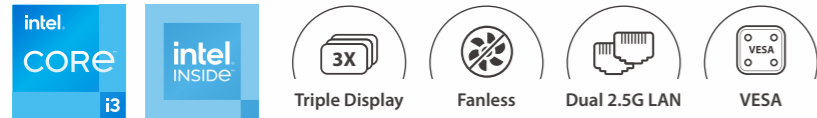


Feature

- 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, and 1 x RS232 2 x M.2 2280 M Key, 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 and Teaming Mode functions. 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 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 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. 12.5 mm)
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 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. 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)	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 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

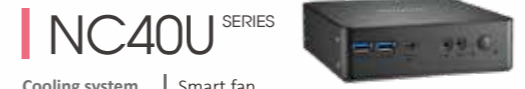


Palm-Sized Package with Functionality And 12th-Gen CPU Advantage

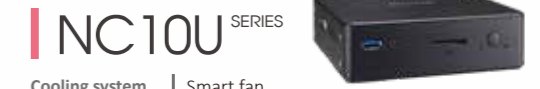
XPC Nano NC40U series is integrated with Intel® 12th Alder Lake-U hybrid architecture, providing multitasking capability and Iris® Xe graphics for superior performance in AI deployment and video encoding. Despite its 0.85L palm-sized design, it can accommodate one 2.5" hard disk (up to 15mm) and an additional 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
- Built-in Intel® Iris® Xe graphics*
*Intel® Iris® Xe graphics for Core™ i5/i7 model only
- Three independent displays via one HDMI 2.0b, one DisplayPort, and one Type-C
- 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
- Support up to 15mm 2.5-inch hard drive
- 2 x USB 3.2 Gen2, 5 x USB 3.2 Gen1 (including one Type-C), Intel® Gigabit LAN



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



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

-  Touch Screen
-  IP54
-  Fanless
-  VESA

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.



P92U SERIES

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





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
- Include HDMI and VGA outputs for three displays
- 24/7 certified in 0-40°C environments
- 15.6" multi-touch screen with gloves support
- Excellent connectivity :** 4 x USB3.2 Gen1, 2 x USB2.0, SD card reader, and Intel® Gigabit LAN



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

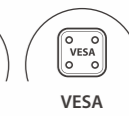


X50V9^{SERIES}

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 4.2, 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 4.2, 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 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

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

P51U SERIES



Color	Black / White
Screen	15.6" LCD (16:9, 1920 x 1080), 250 nits Multi touch
Processor	Intel® Celeron 4205U or Intel® i3-8145U/i5-8265U
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 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: 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 : 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, 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	POS03



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

P20U SERIES

Color	Black
Screen	11.6" LCD (16:9, 1366 x 768), 250 nits Multi touch
Processor	Intel® Celeron 3865U
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)	-
COM Port	2 x RS232 (Max. 4)
Line out / Mic in	1 / 1
Network	LAN : 1 x Intel® 1G LAN WLAN: Realtek 802.11 b/g/n / Bluetooth 4.1
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, 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	POS02, PMSR01, PMSR02

X50V9 SERIES

Color	Black / White
Screen	15.6" LCD (16:9, HD 1366 x 768), 220 nits Single touch
Processor	Intel® Processor U300 or Intel® i3-1315U
Graphics	Intel® UHD Graphics
Display Resolution Max.	HDMI : 4096 x 2160@60Hz VGA : 1920 x 1080@60Hz
Video Decoder	WMV9, AVC / H.264, JPEG / MPEG, HEVC / H.265, VP9, AV1
Memory	2 x DDR5 up to 5200 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 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 : 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, 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 4.2
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

X50V7 SERIES

Color	Black / White
Screen	15.6" LCD (16:9, HD 1366 x 768), 220 nits Single touch
Processor	Intel® Celeron 4205U or Intel® i3-8145U
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 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 4.2
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

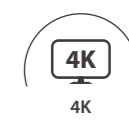
DIGITAL SIGNAGE



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.





Feature

- Support 4K UHD playback via HDMI 2.0
- Built-in 2GB memory and 16GB eMMC
- Built-in Gigabit Ethernet with PoE (NS02E V2 only)
- Support 2.5" SATA HDD/SSD and SD card Reader
- WiFi 802.11 a/b/g/n/ac & Bluetooth 5.0
- Android 8.1

NS02A V2 / NS02E V2

Processor	Rockchip RK3368 Octa Core 1.5GHz (ARM Cortex-A53)	VESA	Bracket included
Display Resolution Max.	HDMI : 3840 x 2160@60Hz	Dimension	L : 141 x W: 141 x H : 29mm
Display Output	1 Display	Weight	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">NS02A V2 NW (kg) : 0.27 / GW (kg) : 0.65</div> <div style="border: 1px solid #ccc; padding: 2px;">NS02E V2 NW (kg) : 0.3 / GW (kg) : 0.52</div>
Video Decoder	H.264, H.265, VC1, MPEG-1/2/4, VP8	Certification	CB, CE, BSMI, cTUVus, FCC, RCM, VCCI, R&TTE
Memory	2GB (default) / 4GB (option)	Operating Temperature (°C)	0~40
Storage	EMMC : 16GB (default) / 32GB (option) Expansion : 1 x 2.5" HDD/SSD (max. 7 mm) (Optional) 1 x SD card	Chassis	Plastic
HDMI Port	1 x HDMI 2.0	Power Supply	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">NS02A V2 Power Input : 12V DC in Bundled Adapter : 12V/2A 24W external adapter</div> <div style="border: 1px solid #ccc; padding: 2px;">NS02E V2 Power Input : Support POE (PD), 802.3at Bundled Adapter : -</div>
USB 2.0 (Front)	2	Operating System	Android 8.1 (Pre-installed digital signage software)
USB 2.0 (Rear)	2	Optional Accessories	PHD5
Line out/ Mic in Combo	1		
Network	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">NS02A V2 LAN : 1 x Realtek Gigabit LAN WLAN: 802.11 a/b/g/n/ac / Bluetooth 5.0</div> <div style="border: 1px solid #ccc; padding: 2px;">NS02E V2 LAN : 1 x Realtek Gigabit LAN (Support PoE, 802.3at) WLAN: 802.11 a/b/g/n/ac / Bluetooth 5.0</div>		

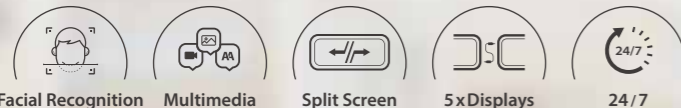
NS02 V2 SERIES



Fanless 0.5-Liter Android PC

Shuttle NS02A V2/NS02E V2 is one of the most affordable models made for digital signage applications. The NS02 V2 series is equipped with Rockchip Octa-Core 1.5 GHz processor, built-in DDR3L 2GB low-voltage memory. It not only supports Full HD playback capability but also built-in HDMI 2.0 video output is able to support 4K Ultra HD at 60Hz. In addition, the NS02E V2 can support PoE (Power over Ethernet), allowing users easily to do on-site installation without any wire and AC adapter. The NS02 V2 series comes with pre-installed digital signage software that user can easily manage the signage content through their own mobile devices.

D230



Facial Recognition Multimedia Split Screen 5x Displays 24/7



Smart Shelf Signage: Boost Sales and Engagement

For retailers who want to optimize shelf space to increase revenue with the innovative signage installation, the D230 is a perfect choice. The platform utilizes a 23.1" ruggedized shelf display combined with facial recognition and high definition sensors to play optimal multimedia content, provide customer insights, and allow for content triggering on detected age and gender. With the flexible split-screen feature, users can play content in multiple combinations to achieve advertising goals.

Feature

- 23.1-inch bar-type shelf signage solution
- Split screens for videos, pictures, and text demos separately and simultaneously
- 24/7 certified in 0-40°C environments
- Detect the gender and age of users to play advertisement
- Advanced power supply design to connect up to 5 devices
- Android 7.0 / iOS 11 and upper version

D230

Processor	Six-core processor, 1.8GHz	Communication	Webcam : 2M FHD Speaker : 1 x 2W
Memory	2GB	VESA	100 x 100 mm, 75 x 75 mm, 50 x 50 mm
Storage	16GB eMMC	Dimension	L : 603 x W : 75 x H : 29 mm
Color	Black	Certification	CB, CE, cTUVus, FCC, VCCI, RCM, BSMI, RED
Screen	23.1" LCD (1920 x 158), 400nits	Operating Temperature	0~40
USB 2.0	1	IP level	Front panel IP54
SD card	1	Adapter	12V/2A 24W wall mount adapter / POE (optional)
USB 2.0 (Side)	2	Operating System	Android 7.1
RJ45	1	Optional Accessories	PD230
Line out	1		
SIM card	1 (optional)		
Network	LAN : 10/100 Mbps Wifi : 802.11 a/b/g/n/ac 4G LTE : M.2 type (optional)		

