



Creating A Smarter World



www.jwipc.com



+86-0755-23981883



overseasales@jwele.com.cn



JWIPC Technology Co.,Ltd
Address: 13/F, Haisong Building B, Tairan 9th Rd, Futian District
Shenzhen, Guang Dong Province, PRC

jwipc PRODUCT CATALOG



DIGITAL SIGNAGE

Experience the Pinnacle of Audiovisual excellence

■ About JWIPC

Empowering customers, creating a smarter future.

JWIPC is an AIoT Hardware Solution Provider empowering industrial digitalization with robust hardware infrastructure. A national high-tech enterprise and a national "Specialized, Refined, Unique, and New" (SRUN) little giant firm. Based on intelligent hardware device solutions for the IoT ecosystem, JWIPC comprehensively promotes application scenarios for the AIoT. The company has built up core capabilities such as product definition based on multiple scenarios, product development in multiple forms, flexible manufacturing and supply chain, and digitalized information management system.

12 years
Established

1600+
No. of Employees

20+
Businesses

001339.sz
Stock Symbol

■ DMS Technology Manufacturing Service



Product design and development

- Offer customization service to meet your demands
- 23 Million USD R&D investment in 2022
- More than 30% employees are R&D with an average work experience of 8 years



Fast delivery and advanced manufacturing capabilities

- Efficient and responsive supply chain
- Complete manufacture facilities
- Rapid production period
- ISO certified



Efficient after-sales service

- Response within 4 hours
- Initial solution within 48 hours

■ Customization Service

Appearance Design
Utilization of Materials
Ergonomic

ID Design



PCB Layout Design

- Circuit Design, LAYOUT
- Component Selection
- Power supply Design

Housing Design
Thermal Design
Power Design
Vibration Resistant Design

ME Design



System Integration

- OS Transplantation, Tailoring and Customization
- Software Development
- Arithmetic Transplant
- HW & SW Integration

Functionality & Compatibility Testing
Reliability & Environmental Class Tests
EMC Test, MTBF Test

Test Validation



Product Certification

- CE
- CCC
- FCC
- RoHS

■ Advanced manufacturing & Manufacturing Facilities



DongGuan



ZhengZhou



180,000+m²



2 Sites



Fully Certified



Scale+Flexibility



Fast Delivery



iMES System



QCO1287



ISO14001



ISO9001



ISO45001



CQC



PART ONE

OPS PC

- OPS
- OPS-C

PART TWO

MEDIA PLAYER

- H Series ----- Low Power
- K Series ----- Main Stream
- L Series ----- High Performance
- Motherboard

PART THREE

BUSINESS COMPUTER

- Green PC
- N Series

PART FOUR

EDGE GATEWAY

- E Series

JWIPC OPS PC

Create a smarter digital large screen solution



Based on Intel standard modular design, JWIPC OPS PC will meet all your needs for large screen/interactive display screen. It is a plug and play product that features easy installation and convenient operation & maintenance, suitable for various scenarios such as classroom or lecture hall learning, group video conference, digital signage and advertising, and collaborative workspace.



Powerful Configuration

Fast processing / High stability / Compatible with HD display









Aluminum Shell

Resistant to earthquake and compression / high and low temperature



7*24 Operation

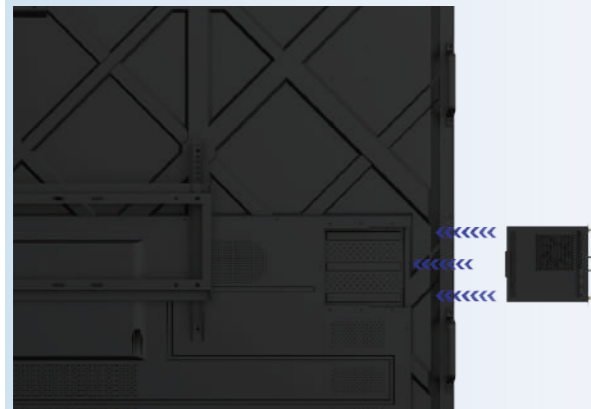
Start / LAN wake-up / Remote maintenance

Product	S104 Plus	S104C Plus	S104	S104C	S096	S084
Image						
Processor	Intel® Raptor Lake-P Processor Max. TDP 28W	Intel® Raptor Lake-P Processor Max. TDP 28W	Intel® Alder Lake-P Processor Max. TDP 28W	Intel® Alder Lake-P Processor Max. TDP 28W	Intel® Comet lake-S Processor Max. TDP 35W	Intel® Tiger Lake-U Processor Max. TDP 20W
GPU	Intel® Iris® Xe Graphics	Intel® Iris® Xe Graphics	Intel® Iris® Xe Graphics	Intel® Iris® Xe Graphics	Intel® UHD Graphics 630	Intel® Iris® Xe Graphics
Chipset	SOC	SOC	SOC	SOC	Q570	SOC
Memory	Dual channel SO-DIMM DDR5-4800MHz	Dual channel SO-DIMM DDR4-3200MHz	Dual channel SO-DIMM DDR5-4800MHz	Dual channel SO-DIMM DDR4-3200MHz	Dual channel SO-DIMM DDR4-3200MHz	Dual channel SO-DIMM DDR4-3200MHz
Storage	1 x M.2 2280 size for NVMe/SATA SSD 1 x M.2 2242 SATA SSD	1 x M.2 2280 size for NVMe/SATA SSD	1 x M.2 2280 size for NVMe/SATA SSD	1 x M.2 2280 size for NVMe/SATA SSD	1 x M.2 2280 size for NVMe/SATA SSD	1 x M.2 2280 size for NVMe SSD 1 x M.2 2242 size for SATA SSD
Display Port	2 x HDMI1.4(4K30Hz), 1 x 80PIN (HDMI2.0 4K60Hz output)	2 x HDMI1.4(4K30Hz), 1 x 80PIN (HDMI2.0 4K60Hz output)	1 x DP1.4(8K30Hz), 1 x HDMI1.4(4K30Hz), 1 x Type-C(4K60Hz) 1 x 80PIN (HDMI2.0 4K60Hz output)	1 x DP1.4(8K30Hz), 1 x HDMI1.4(4K30Hz), 1 x 80PIN (HDMI2.0 4K60Hz output + DP1.4)	1 x DP1.4(5K30Hz) 1 x HDMI1.4(4K30Hz) 1 x 80PIN (HDMI2.0 4K60Hz output)	1 x HDMI2.0(4K60Hz), 1 x Type-C(4K60Hz) 1 x 80PIN (HDMI2.0 4K60Hz output)
Audio IC	Realtek HD Audio IC 897	Realtek HD Audio IC 897	Realtek HD Audio IC 897	Realtek HD Audio IC 897	Realtek HD Audio IC 897	Realtek HD Audio IC 897
Ethernet	1 x Realtek 8111H Co-Lay Intel Ethernet Connection I226LM	1 x Realtek 8111H Co-Lay Intel Ethernet Connection I226LM	1 x Realtek 8111H Co-Lay Intel Ethernet Connection I226LM	1 x Realtek 8111H Co-Lay Intel Ethernet Connection I226LM	Intel Gigabit Ethernet I219LM	Intel Gigabit Ethernet I219LM
WiFi/BT	1 x M.2 2230 slot for WIFI_BT module	1 x M.2 2230 slot for WIFI_BT module	1 x M.2 2230 slot for WIFI_BT module	1 x M.2 2230 slot for WIFI_BT module	1 x M.2 2230 slot for WIFI_BT module	1 x M.2 2230 slot for WIFI_BT module
4G	M.2 3042 4G Module	NA	NA	NA	NA	M.2 3042 4G Module
Audio Port	1 x Line out & MIC-In two in one connector	1 x Line out & MIC-In two in one connector	1 x Line out & MIC-In two in one connector	1 x Line out & MIC-In two in one connector	3.5mm line-out/Mic-In	3.5mm line-out/Mic-In
USB Port	2 x USB 3.0, 2 x USB 3.1 1 x Type-C(USB3.1)	2 x USB 3.0, 2 x USB 3.1 1 x Type-C(USB3.1)	2 x USB 2.0, 2 x USB 3.1 1 x Type-C(USB3.1)	2 x USB 2.0, 2 x USB 3.1 1 x Type-C(USB3.1)	Front I/O, 4x USB3.0; 1x USB-C 80Pin, 1x USB3.0, 2x USB2.0	2 x USB 2.0, 2 x USB 3.1 Type-C
COM	Optional	Optional	Optional	Optional	Optional	Optional
Security	Support	Support	Support	Support	Support	Support
vPro	Support	Optional	Support	Optional	Support	Optional
Temperature	Operating -5°C~45°C Storage -20°C~70°C	Operating -5°C~45°C Storage -20°C~70°C	Operating -5°C~45°C Storage -20°C~70°C	Operating -5°C~45°C Storage -20°C~70°C	Operating -5°C~45°C Storage -20°C~70°C	Operating -5°C~45°C Storage -20°C~70°C
Relative Humidity	10%~95% (non-condensing)	10%~95% (non-condensing)	10%~95% (non-condensing)	10%~95% (non-condensing)	10%~95% (non-condensing)	10%~95% (non-condensing)
OS	Windows11/Windows10/ Ubuntu Linux	Windows11/Windows10/ Ubuntu Linux	Windows11/Windows10/ Ubuntu Linux	Windows11/Windows10/ Ubuntu Linux	Windows11/Windows10/ Ubuntu Linux	Windows11/Windows10/ Ubuntu Linux
DC-IN	12V-19V	12V-19V	12V-19V	12V-19V	12V-19V	12V-19V
Dimension	119(L) x 180(W) x 30(H) mm	119(L) x 180(W) x 30(H) mm	119(L) x 180(W) x 30(H) mm	119(L) x 180(W) x 30(H) mm	119(L) x 180(W) x 30(H) mm	119(L) x 180(W) x 30(H) mm

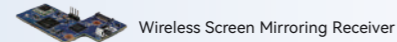
New Definition, New Standard

Next Generation 120 PIN OPS

S102PT



- Intel 12th Gen ADL-H, compatible with ADL-U/P
- 2 x SO-DIMM DDR5 memory slot
- 1 x HDMI1.4, 1 x DP 1.2(I/O panel)
- 1 x HDMI2.1 MAX 8K@60Hz, 1 x eDP (120PIN)
- 2 x Gigabit Ethernet port
- 3 x USB2.0, 3 x USB3.0, 1 x Type-C USB3.0



Collaborating with Intel To Jointly Define the Next Generation Interface Standards

New standard, New function, Support 8k display, Dual display, Intergrated network, Type C

Display

eDP support 5K , HDMI support 8K

Software

Adapt to TERMS or ROOMS

Wireless Screen Mirroring

Support HDMI IN or Wireless screen mirroring receiver

One-click Restore

Support system restore function

Certified

Assisted in TERMA or ROOMS certifications

Product	S102P	S102T	S102HT
Image			
Processor	Intel® Alder Lake-H/P/U, TDP 45W	Intel® Alder lake-S Processor, TDP 65W	Intel® Alder Lake-H/P/U, TDP. 45W
GPU	Intel® Iris® Xe Graphics eligible	Intel® UHD Graphics 630	Intel® UHD Graphics
Chipset	SOC	H610	SOC
Memory	2 x SO-DIMM DDR5, MAX 3200 MHz,32GB	Dual SO-DIMM DDR4, Up to 3200Mhz	Dual SO-DIMM DDR4
Storage	1 x M.2 2280, Nvme/SATA, support SATA HDD	1 x M.2 2280 size for NVMe/SATA SSD	1 x M.2 2280 SATA/PCIE,Option HDD 1 x M.22280PCIE
Display Port	1 x DP1.2, 1 x HDMI 1.4 1 x HDMI IN (optional) 1 x HDMI 2.1 (120pin)	1 x DP1.2 1 x HDMI 1.4 1 x HDMI 2.0 (80Pin)	1 x DP1.2 1 x HDMI 1.4 1 x HDMI 2.0 (80Pin)
Audio IC	Realtek ALC897 HD Audio IC	Realtek ALC897 HD Audio IC	Realtek ALC897 HD Audio IC
Ethernet	RTL8111H, 10/100/1000Mbps	Realtek 8111H Gigabit Ethernet	Realtek 8111H Gigabit Ethernet
WiFi/BT	Wi-Fi/BT module, PCIE 3.0, support CNVI	1 x M.2 2230 Wi-Fi/BT module	1 x M.2 2230 Cnvi/WiFi6E/BT module
4G	NA	NA	NA
Audio Port	1 x Line-out, 1 x MIC-In	1 x 3.5mm Line out, 1 x 3.5mm Mic in	1 x 3.5mm Line out, 1 x 3.5mm Mic in
USB Port	1 x USB3.0 , Type-C, 6 x USB 3.0, Type-A 120PIN: 3 x USB2.0, 2 x USB3.0	3 x USB3.0 Type-A,3 x USB2.0 Type-A OPS-C 80pin: 2 x USB2.0, 1 x USB3.0	4 x USB3.0,2 x USB2.0, 1 x Type-C OPS-C 80pin: 3 x USB2.0, 1 x USB3.0
COM	NA	NA	1 x COM
Security	Support	Intel PTT	Support
vPro	Optional	Support	Optional
Temperature	Operating -5°C~45°C, Storage -20°C~70°C	Operating -5°C~45°C, Storage -20°C~70°C	Operating -5°C~45°C Storage -20°C~70°C
Relative Humidity	10%~95% (non-condensing)	10%~95% (non-condensing)	10%~95% (non-condensing)
OS	Windows 10/Windows 11	Windows11/Windows10/ Ubuntu Linux	Windows 10/Windows 11
DC-IN	12V-19V	12V-19V	12V-19V
Dimension	195(L) x 180(W) x 42(H) /30(H)mm	195(L) x 180(W) x 30(H) mm	195(L) x 180(W) x 42(H) /30(H)mm

JWIPC Digital Signage Player

Build high-quality digital signage for a hopeful city

Driven by new technologies such as 5G, AI and IoT, digital signage has become the core of human-data interaction. JWIPC launches different series of digital signage products matched with software and service systems to meet different indoor and outdoor environments stores, hotels, transportation, cities and other industries



Multiple Platforms

Compatible with X86 and ARM processors
low power consumption, high cost-performance ratio and high performance



HD Display

Different types of interfaces: HDMI, VGA, DP
Supporting HD display output



Classic Design

Classic business design, fashionable and minimalistic
Continuous IO for easy iteration and upgrading



Various Interfaces

Various USB interfaces for more peripherals

Product Model	H105	H085	H068
Image			
Processor	Intel® Processor N95/N305/N100	Intel® ElkhartLake J6412/N6211 TDP 6.5w -10w	Rockchip RK3568
GPU	Intel® UHD Graphics	Intel® UHD Graphics	ARM Mail-G52 GPU
Chipset	SOC	SOC	SOC
Memory	Single SoDIMM DDR4 Max. 16 GB	2 x LPDDR4X, 2666MHz Max. 8GB	Onboard 2GB/4GB
Storage	1 x M.2 Key M 2280 Size For NVMe/SATA SSD	1 x M.2 KEY M 2280 or 2242 Size SSD Co-Lay NVMe SSD	Onboard 16GB EMMC (Optional 16GB&32GB&64GB)
Display Port	3 x HDMI-Out 4K@30Hz	1 x HDMI2.0 , 4K/60Hz 1 x DP1.2 , 4K/60Hz	1 x HDMI 4K60Hz ; 1 x DP 1920*1080 @60Hz
Ethernet Port	2 x 1000M Ethernet RJ45 Port	1 x RTL8111H 1000M Ethernet RJ45 Port	1 x 1000M Ethernet RJ45 Port
WiFi	Mini PCIe WiFi/BT Module, Intel 3165/ Intel AX101	1 x M.2 KEY E 2230 slot, Support WiFi-6	1 x M.2 KEY E 2230 slot, Support WiFi-6
Audio Port	1 x Line Out ; 1 x MIC-In	3.5mm line out + MIC-In	3.5mm Audio out
USB Port	3 x USB3.0, 2 x USB2.0 1 x Type-C	3 x USB3.0, Type A ; 5 x USB2.0 Type A ;	1 x USB3.0, Type A ; 1 x USB2.0 Type A 1 x Type C
WatchDog	Support	Support	Support
Others	3 x RS232 COM1/2 Connector 1 x COM4 (RS232/RS422/RS485)	1x RS232 serial port	Micro SD
TPM	Infinition TPM2.0 Chip	Infinition TPM2.0 Chip	NA
Temperature	Operating -5°C~45°C, Storage -20°C~60°C	Operating -5°C~45°C, Storage -20°C~60°C	Operating -5°C~45°C, Storage -20°C~60°C
Relative Humidity	10%~90% (non-condensing)	10%~90% (non-condensing)	10%~90% (non-condensing)
OS	Windows11	Windows11	Android11
DC-IN	12V DC IN, 2.5/5.5 DC Jack	12V DC IN, 2.5/5.5 DC Jack	12V DC IN, 2.5/5.5 DC Jack
Dimension	199mm(L) x 152mm(W) x 30mm(H)	149(L) x 128(W) x 30(H) mm	149(L) x 128(W) x 30(H) mm

Product Model	K115	K105F	K105	K065FV2	K065
Image					
Processor	Intel® Processor I5-1335U /I7-1355U	Intel® AlderLake-P, 7305/8505/i3-1215U/i5-1235U/i7-1255U Max.TDP 15W	Intel® AlderLake-P 7305/8505/i3-1215U/i5-1235U/i7-1255U Max.TDP 28W	Intel® WhiskeyLake-U/CometLake-U, i5-10210U TDP 15W	Intel® WhiskeyLake-U/CometLake-U, 4205U/5205U/i3-10110U/i5-10210U TDP 15W
GPU	Intel® Iris® Xe Graphics	Intel® Iris® Xe Graphics	Intel® Iris® Xe Graphics	Intel® UHD Graphics	Intel® UHD Graphics
Memory	Dual SoDIMM DDR4 Max. 32 GB	2 x SO-DIMM DDR4 ,3200MHz Max. 32GB	2 x SO-DIMM DDR4 ,3200MHz Max. 32GB	2 x SO-DIMM DDR4 ,2400MHz Max. 32GB	2 x SO-DIMM DDR4 ,2400MHz Max. 32GB
Storage	1 x M.2 Key M 2280 Size For NVMe/SATA SSD	1 x 2242/2280 , SSD Support SATA Signal Co-Lay NVME SSD 1 x SATA3.0 Interface Port	1 x 2242/2280 , SSD Support SATA Signal Co-Lay NVME SSD 1 x SATA3.0 Interface Port	1 x SATA3.0 Interface Port 1 x 2242/2280 , SSD Support SATA Signal	1 x SATA3.0 Interface Port 1 x 2242/2280 , SSD Support SATA Signal
Display Port	4 x HDMI-Out 4K @60Hz	2x HDMI2.0 , 4K/60Hz ; 1x DP1.4 , 8K30Hz ;	2x HDMI2.0 , 4K/60Hz ; 1x DP1.4 , 8K30Hz ;	1x HDMI2.0 , 4K/60Hz ; 1x HDMI1.4, 4K30Hz, no sound ; 1x DP1.2 , 4K60Hz ;	1x HDMI2.0 , 4K/60Hz ; 1x HDMI1.4, 4K30Hz, no sound ; 1x DP1.2 , 4K60Hz ;
Ethernet Port	2 x 1000M/2.5G RJ45 Ports	2 x Realtek 8111H 1000M	2 x Realtek 8111H 1000M	1 x Realtek 1000M (Lan2) 1 x Intel® I219 1000M , Support Vpro/AMT (Lan1)	1 x Realtek 1000M (Lan2) 1 x Intel® I219 1000M , Support Vpro/AMT (Lan1)
WiFi	Mini PCIe WiFi/BT Module, Intel 3165/ Intel AX101/Intel AX210	1 x M.2 KEY E 2230 slot	1 x M.2 KEY E 2230 slot	1 x M.2 KEY E 2230 slot	1 x M.2 KEY E 2230 slot
Audio Port	1 x Line Out ; 1 x MIC-In	3.5mm line out + MIC-In	3.5mm line out + MIC-In	3.5mm line out + MIC-In	3.5mm line out + MIC-In
USB Port	5 x USB3.0	2x USB3.1 Type A, 4x USB2.0 Type-A	2x USB3.1 Type A, 4x USB2.0 Type-A	6x USB3.0 Type A	6x USB3.0 Type A
Type-C	1 x Type-C	1x Type-C	1x Type-C	/	/
COM	2 x RS232 COM1/2 Connector	2, DB-9 (RS232)	2, DB-9 (RS232)	1, DB-9 (RS232)	1, DB-9 (RS232)
TPM	Physical TPM2.0 Chip	Physical TPM2.0 Chip	Physical TPM2.0 Chip	Physical TPM2.0 Chip	Physical TPM2.0 Chip
Watchdog	Support	Support	Support	Support	Support
Temperature	Operating -5°C~45°C,Storage -20°C~70°C	Operating -5°C~45°C,Storage -20°C~60°C	Operating -5°C~45°C,Storage -20°C~60°C	Operating -5°C~45°C,Storage -20°C~60°C	Operating -5°C~45°C,Storage -20°C~60°C
Relative Humidity	10%~90% (non-condensing)	10%~90% (non-condensing)	10%~90% (non-condensing)	10%~90% (non-condensing)	10%~90% (non-condensing)
OS	Windows11/Window10	Windows11/Window10	Windows11/Window10	Windows11/Window10	Windows11/Window10
DC-IN	12-19v 2.5/5.5 DCIn	12v-19v DCIn	12v-19v DCIn	12v-19v DCIn	12v-19v DCIn
Dimension	190mm(L) x 148mm(W) x 30mm(H)	190(L) x 148(W) x 45(H) mm	190(L) x 148(W) x 45(H) mm	190(L) x 148(W) x 45(H) mm	190(L) x 148(W) x 30(H) mm

Product Model	L106
Image	
Processor	Intel CPU,Alder Lake I3/I5/I7 Processor,TDP=65W
GPU	Intel® UHD Graphics 730
Chipset	Intel Chipset
Memory	Dual Channel SODIMM DDR4
Storage	1 x KeyM M.2 2280 NVME SSD 1 x KeyM M.2 2280 NVME/SATA SSD
Display Port	2 x HDMI-out (4K @60Hz) 1x DP-out 8K
Ethernet Port	1 x I219LM Co-Lay RTL8111K, 1x RTL811FP
WiFi	1 x M.2 KeyE 2230 For WiFi-5/WiFi-6,BT5.0 Above
4G/5G	1 x M.2 KeyB 3042/3052 Interface For 4G/5G Module
Audio Port	1 x 3.5mm Line out, 1 x 3.5mm Mic In
USB Port	4 x USB, 1 x Type-C
Watchdog	Yes
vPro	Support(Optional)
DASH	Support(Optional)
COM	2 x RS232 COM ports
TPM	Infineon TPM2.0 Chip
Temperature	-5~45°C
Relative Humidity	10%~90% non-condensing
OS	Windows11/Windows10/Linux
DC-IN	19V~6.32A
Dimension	190mm(L) x 186mm(W) x 40mm(H)

Product Model	R66D	R68D	R68I	R88I
Image				
Processor	Rockchip RK3566	Rockchip RK3568B2	Rockchip RK3568J	Rockchip RK3588J
NPU	/	1 TOPS	1 TOPS	6 TOPS
GPU	ARM Mali-G52	Arm Mali-G52 1-Core-2EE	Arm Mali-G52 1-Core-2EE	Arm Mali-G610 MP4
Memory	On-board LPDDR4/4X, 2G/4G Optional	On-board 2/4GB LPDDR4/4X	On-board 4GB LPDDR4X (2GB optional)	On-board 8GB LPDDR4X (4GB optional)
Storage	On-board eMMC, 8G/16G/32G/64G Optional	On-board 8/16/32/64GB eMMC 5.1 for OS	On-board 32GB eMMC 5.1 for OS (8GB/16GB optional)	On-board 64GB eMMC 5.1 for OS (128GB Optional)
Ethernet	1 x 10/100/1000 Mbps	1 x 10/100/1000 Mbps	1 x 10/100/1000 Mbps	2 x 10/100/1000 Mbps
WiFi	2.4G WiFi + BT or 2.4G/5G WiFi + BT	On-board Single or Dual band WiFi with Bluetooth 4.2	On-board AW-CM358 module (optional), supports WiFi/BT 5.2	On-board AW-CM358 module (optional), supports WiFi/BT 5.2
4G/5G	/	NA	1 x M.2 Key B for 4G/5G, 1 x Micro SIM slot	1 x M.2 Key B for 4G/5G, 1 x Micro SIM slot
Display	1x HDMI; LVDS+EDP or 2 x LVDS	1 x HDMI 2.0 1 x Single channel LVDS 1 x LVDS backlight, 1 x eDP 1.3 1 x 4-lane MIPI-DSI	1 x HDMI 2.0, 1 x eDP 1.3, 1 x Dual channel LVDS, 1 x 4-lane MIPI-DSI	1 x HDMI 2.1, 1 x eDP 1.3, 1 x Dual channel LVDS, 1 x 4-lane MIPI-DSI
Camera Input	/	1 x 4-lane MIPI-CSI, 40 pin FPC	1 x 2-lane MIPI-CSI; 8M ISP with HDR support	1 x HDMI2.0 Rx, 1 x 2-lane MIPI-CSI; 8M ISP with HDR&3DNR support
Audio Prot	1 x 3.5mm Line out+Mic in 1 x Speaker (5W/8Ω amplifier)	1 x 3.5mm Line out+Mic in 1 x Speaker (5W/8Ω amplifier)	1 x 3.5mm Line out, 1 x Speaker, 1 x Mic in	1 x 3.5mm Line out, 1 x Speaker, 1 x Mic in
USB Port	1 x USB3.0, 1 x USB2.0 OTG 4 x USB2.0 Pin	1 x USB 3.0/OTG, 1 x USB 3.0, 4 x USB 2.0 pin	1 x USB 3.0/OTG, 4 x USB 2.0	1 x USB 3.0/OTG, 4 x USB 2.0
COM	2 x RS232/TTL Optional, 2 x 4 Pin 2.0mm wafer	2 x RS-232/TTL 1 x 9 pin 2 x TTL 2 x 4 pin 2.0mm wafer	2 x 2-wire RS-232/RS-485 2 x 2-wire RS-232/TTL 2 x 2-wire RS-232	2 x RS-232/RS-485 2 x RS-232/TTL 2 x RS-232 (5V/12V Optional)
TF Card	1	1	1	1
I2C	/	1 x TP-I2C	1 x TP-I2C	1 x TP-I2C
GPIO	1 x GPIO, 6 Pin 2.0mm wafer 1 x ADC, 3 x GPIO	3 x GPIO+1 x ADC, 6 pin 2.0mm wafer	7 x 3.3V GPIO, 1 x ADC, 1 x LED	7 x GPIO+1 x ADC
Expansion	1 x IR, 4 Pin 2.0mm wafer 1 x LED, 4 Pin 2.0mm wafer 1 x MIPI-CSI CAMERA, 40 Pin 0.5mm FPC	1 x IR, 1 x LED, 1 x Power button	2 x CAN	1 x M.2 2280 (PCIe x4) for NVMe SSD or AI accelerator card 2 x CAN
Power Supply	12V DC IN	12V DC IN (DC Jack or pin header), RK-809 PMIC	12V DC IN, RK809-5 PMIC	12V DC IN, RK806-2 PMIC
Form Factor	128mm x 87mm	126mm x 87mm	3.5 inch, 146mm x 102mm	3.5 inch, 146mm x 102mm
Boot Options	Android 11	Android 11, Ubuntu 18.04	Android 11, Ubuntu 18.04, Debian 10	Debian 11, Android 12, Ubuntu 20.04
OS	eMMC	eMMC	eMMC	eMMC
Operating Conditions	-5~50°C, 10%~90% RH non-condensing	-5~50°C, 10%~90% RH non-condensing	-40~85°C, 10%~90% RH non-condensing	-40~85°C, 10%~90% RH non-condensing
Storage Conditions	-20~70°C, 5%~95% RH non-condensing	-20~70°C, 5%~95% RH non-condensing	-40~85°C, 5%~90% RH non-condensing	-40~85°C, 5%~90% RH non-condensing

■ JWIPC Business Computer

Minimize worry, Maximize work.

The key to selecting the most effective solution is to match the device with how the end-user puts it to work, what applications they use most, and their style. JWIPC has a broad assortment of business computers that give individual workers the tools they need to stay productive and connected.

JWIPC Green PC

Creating innovative value for global green and sustainable development

intel | jwipc



Certified by CQC authority

“GCA01” GREEN PC

- Based on INTEL 12th Generation Core™ High Performance Mobile H45 processor
- 14 breakthroughs and innovations
- 40% carbon savings compared to traditional PCs

Green PC Project Leads

- Green PC standard establish
- Improve on product whole life cycle
- Eco-system innovation and collaboration



Recovery & Recycling

- Green Biodegradable PCBs
- 30% PCR panels
- 95% recyclable Packaging & Fillers



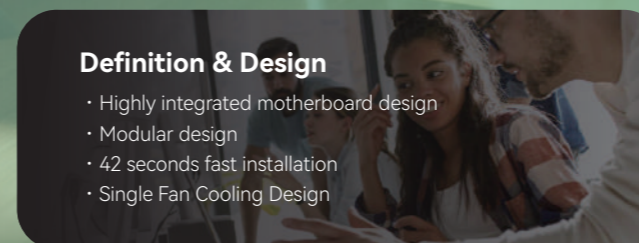
High Performance Mobile H45 Processor

- Latest Core Architecture: 6 P-cores + 8 E-cores
- Intel Hardware Thread Scheduler
- More advanced power saving features, 45W TDP



Definition & Design

- Highly integrated motherboard design
- Modular design
- 42 seconds fast installation
- Single Fan Cooling Design

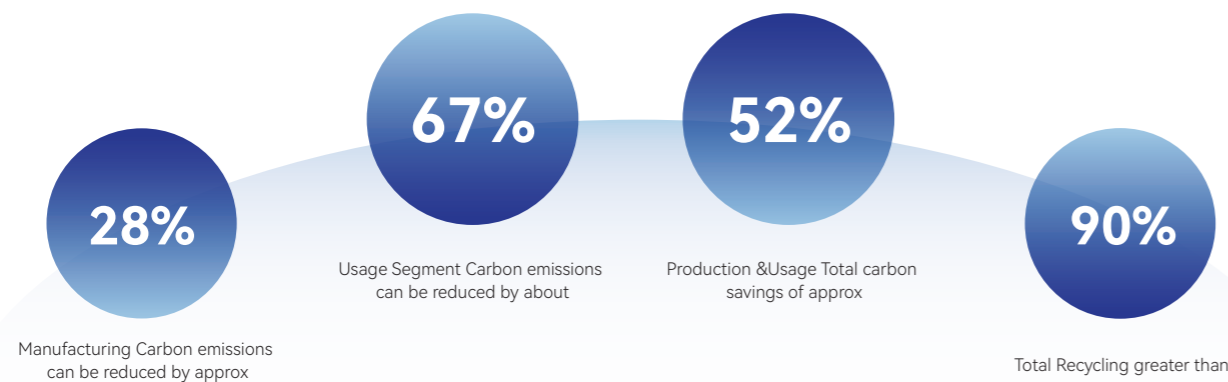
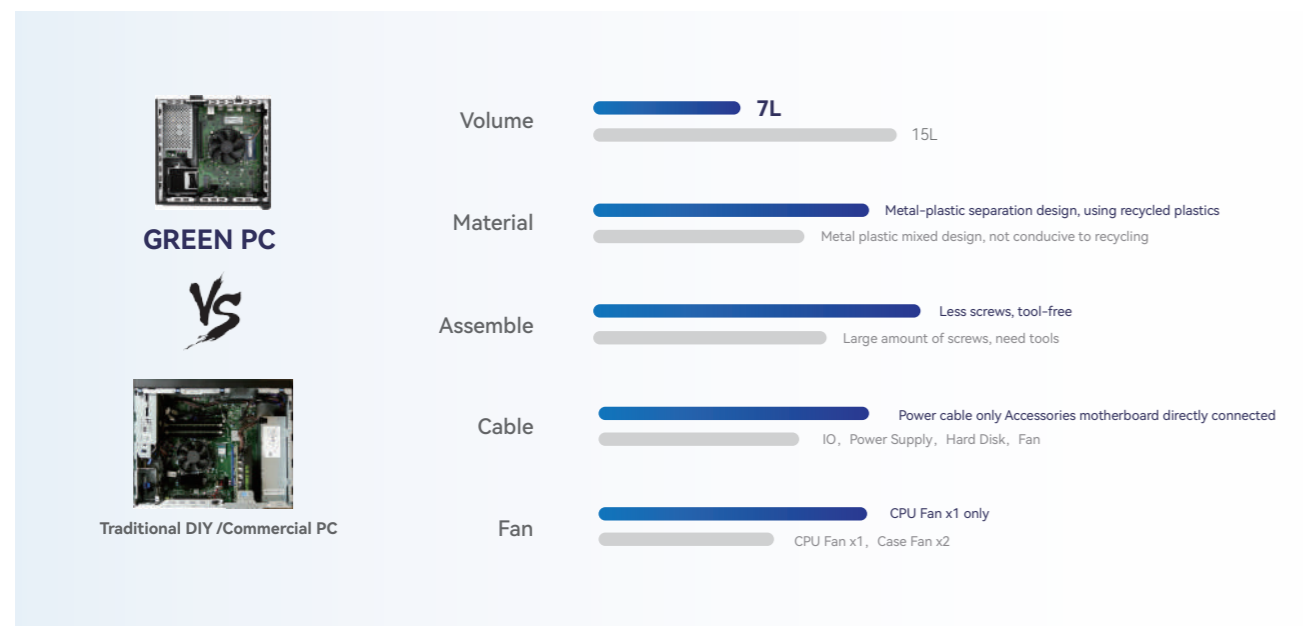
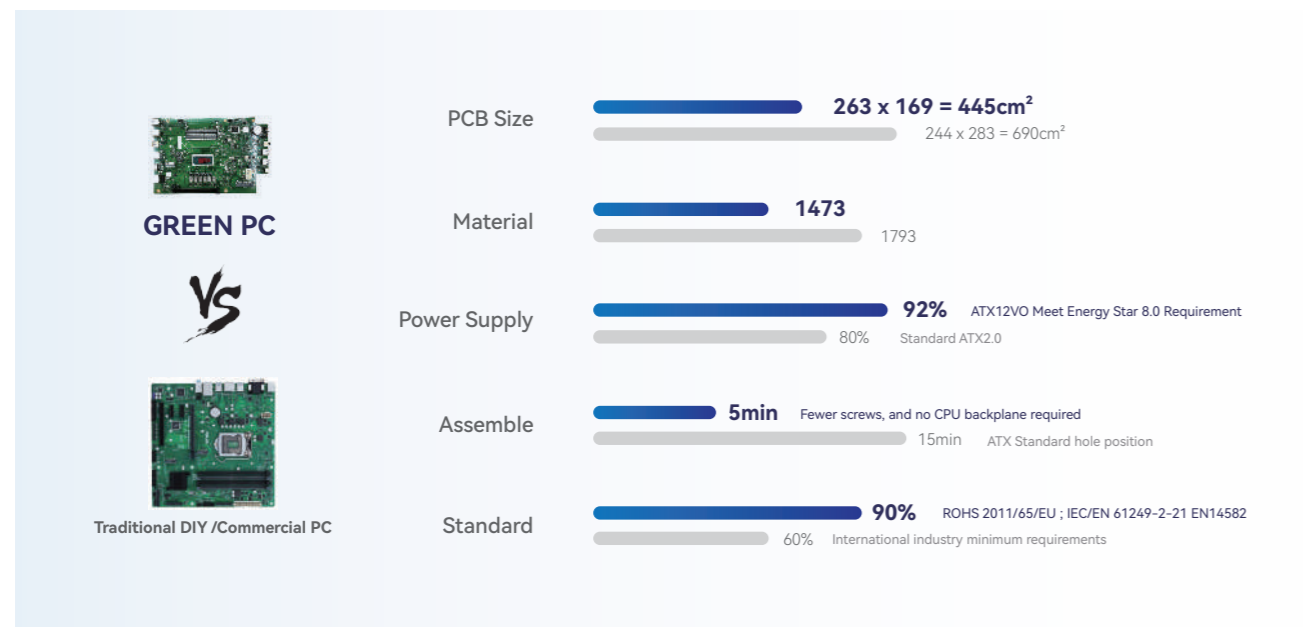


Efficient Power Supply

- 73% reduction in power supply volume
- Active PFC+LLC design, energy efficiency > 92%
- Ga-N / Si-C MOSFET, Reduce power supply heating
- Innovative function L_PSYS%



Green PC VS Traditional PC



JWIPC Green PC

Processor	Intel® Intel® ADL-H, TDP=45w
Graphic card	Intel® UHD Graphics
Multi displays	Support Dual displays, 1 x HDMI1.4 4K30Hz, 1 x DP1.4 8K30Hz output
Memory	Dual Channel DDR4, Max. 3200MHz 32 GB
Ethernet	1 x RTL8111H 10/100/1000Mbps RJ45
Wireless	1 x M.2 Key E 2230 slot Wi-Fi/BT module
Storage	1 x 2.5" SATA Port HDD, 1 x M.2 Key M slot for 2280 size SSD
Front panel	4 x USB3.2 Gen1 1 x TBT4 1 x Combo jack (USB Audio Controller, GPD8104B) 1 x Power button
Rear panel	1 x Line out, 1 x Line in, 1 x Mic in; 3.5mm Audio Jack 1 x DP, 1 x HDMI 3 x USB2.0 2 x USB3.2 Gen2 1 x RJ45
OS Supports	Windows11/Linux
WOL	Support
F-TPM	Intel PTT
Power input	220V AC IN, Max 200W
PCIEx16	1 x PCIe x16 slot (x8)
Dimension	281(L) x 100(W) x 271(H) mm
Operating Temp	-5~45°C
Operating Humidity	10%~90% non-condensing
Storage Temp	-20~70°C
Operating Humidity	5%~95% non-condensing

Product Model	N114	N105	N104
Image			
Processor	Intel® Raptor Lake-P Core™ Processors CPU, Max TDP 28W	Intel® Adler Lake-N Core™ Processors CP Max TDP 15W	Intel® Alder Lake-P, 7305/8505 i3-1215U/i5-1235U/i7-1255U Max.TDP 15W
GPU	Inte Iris Xe Graphics for I7/I5 CPU/ Intel UHD Graphics for i3/Celeron CPU	Intel® UHD Graphics	Intel® Iris® Xe Graphics
Memory	2 x SO-DIMM DDR4 3200 MHz, Max 6GB	1 x SO-DIMM DDR4 3200 MHz Max.16GB	2 x SO-DIMM DDR4 ,3200MHz Max. 32GB
Storage	1 x M.2 2280 KEY-M With PCIe Gen4 for NVME SSD or SATA3.0 SSD	1 x M.2 2280 KEY-M With PCIe Gen3 for NVME SSD or SATA3.0 SSD	1 x 2280 Key-M For SATA SSD or NVME SSD
Display Port	2 x HDMI Type-A 2 x DP (from Type-C)	2* HDMI2.0 4K60Hz output 1* Type-C 4K60Hz Display	2 x HDMI2.0 4K60Hz output 2 x Type-C 4K60Hz Display
Ethernet Port	1 x 2.5G/1.0Gbps RJ45	1 x RJ45 (10/100/1000Mbps)	1 x 2.5G/1.0Gbps
WiFi	1 x M.2 KEY E 2230 With PCIe, USB2.0,CnVi(WIFI5/WIFI6)	1 x M.2 KEY E 2230 With PCIe,USB2.0 CnVi(WIFI5/WIFI6)	1 x M.2 2230 Key-E For WIFI/BT, WIFI5/WIFI6
Audio Port	1 x 3.5mm Combo Audio Jack	1 x 3.5mm Combo Audio Jack	1 x 3.5mm Combo Audio Jack
USB Port	2 x USB3.2, 2 x USB 2.0	2 x USB3.2 Type-A, 2 x USB2.0 Type-A	2 x USB3.0 Type-A, 2 x USB2.0 Type-A
Type-C	1 x Type-C (USB3.2) 1 x Type-C(DP and USB3.2)	1 x Type-C (USB3.2) 1 x Type-C(DP and USB3.2)	2 x Type-C(Power Delivery + USB3.1+ 4K60Hz output)
COM	NA	/	1, DB-9 (RS232)
TPM	Support (Option TPM2.0 Onboard IC)	Support (Option TPM2.0 Onboard IC)	Physical TPM2.0 Chip
Watchdog	Support	Support	Support
Temperature	Operating -5°C~45°C, Storage -20°C~70°C	Operating -5°C~45°C Storage -20°C~70°C	Operating -5°C~45°C Storage -20°C~60°C
Relative Humidity	10%~90% (non-condensing)	10%~90% (non-condensing)	10%~90% (non-condensing)
OS	Windows11/Window10/Linux	Windows11/Window10/LINUX	Windows11/Window10
DC-IN	12V DC IN, 2.5/5.5 DC Jack	12V DC IN, 2.5/5.5 DC Jack	12v~19v DCIn
Dimension	120(L) x 120(W) x 37(H) mm	120(L) x 120(W) x 37(H) mm	120(L) x 120(W) x 37(H) mm

JWIPC Edge Computing



Flexible Deployment

Compact in size, requiring no additional space for modifications



Product Diverse

Featuring solutions from Intel, NVIDIA, and Rockchip different platforms



Adaptable in Various Scenarios

Provides stable and reliable solutions for diverse computing capabilities



Superior Quality

Ensures product reliability and durability through strict material selection and design

Product Model	E068	E078	E088	E098	E608	E618
Image						
Processor	Rockchip RK3568	Intel® Tigerlake-U CPU, TDP Max 15W	Rockchip RK3588	Intel Tiger Lake-U platform (Celeron, I3, I5, I7 optional)	Jetson Orin Nano 4GB/8GB	Jetson Orin NX 8GB/16GB
NPU	1 TOPS	/	6 TOPS	/	20Tops Int8/40Tops Int8	70Tops Int8/100Tops Int8
GPU	Arm Mali-G52 1-Core-2EE	Intel® UHD Graphics Support RTX 3050/RTX3060 MXM dedicated graphics card	Arm Mali-G610 MP4	Intel® UHD Graphics	Ampere,512 CUDA Cores, 16 Tensor Cores,625Mhz Ampere,1024 CUDA Cores, 32 Tensor Cores,625Mhz	Ampere,1024 CUDA Cores, 32 Tensor Cores, 765Mhz Ampere,1024 CUDA Cores, 32 Tensor Cores, 918Mhz
Memory	On-board 2/4GB LPDDR4/4X	2 x SO-DIMM DDR4 , up to 64GB	On-board 4/8GB Dual channel LPDDR4/4X	2 x DDR4 SO-DIMM	LPDDR5 4GB/8GB	LPDDR5 8GB/16GB
Storage	On-board 8/16/32GB eMMC 5.1	1 x M.2 2280 Nvme/SATA Adaptive , 1 x M.2 2280 Nvme	On-board 32/64GB eMMC 5.1	2 x M.2 2280, SATA	1 x M.2 2280 NVME SSD 1 x TF Slot	1 x M.2 2280 NVME SSD 1 x TF Slot
Ethernet	1 x 10/100/1000M Ethernet	1 x i219V 1000Mbps RJ45 1 x i266V 2500Mbps RJ45	2 x 10/100/1000M Ethernet	2 x Gigabit SFP(Ethernet,optional) 4 x Gigabit Ethernet(POE,optional)	2 x RJ45, 10/100/1000Mbps	2 x RJ45, 10/100/1000Mbps
WiFi	On-board WiFi+BT	1 x M.2 2230 for WIFI/BT	On-board 2.4G WiFi+BT 4.2 or 2.5&5G WiFi+BT 4.2	1 x M.2 2230, WiFi6 (optional) 1 x M.2 3042, 4G/5G (optional) 1 x MINI PCIE, LoRa/Zigbee/Bluetooth (optional)	1 x M.2 Key-B for 4G/5G module 1 x M.2 Key-E for WIFI/BT module WiFi5/WIFI6 is optional 1 x Mini-PCle for Lora wireless (optional)	1 x M.2 Key-B for 4G/5G module 1 x M.2 Key-E for WIFI/BT module WiFi5/WIFI6 is optional 1 x Mini-PCle for Lora wireless (optional)
5G/4G	1 x M.2 Key B for 4G	/	1 x M.2 Key B for 5G/4G 1 x 4G module via COM	/	/	/
Display	1 x HDMI 2.0 1 x Dual channel LVDS	2 x HDMI out(4K@60Hz) 2 x HDMI in(4k@30Hz) 1 x DP1.2 (TYPE-C)	1 x HDMI 2.0 Type-A 1 x DP 1.4 Type-A	4 x HDMI1.4b Support 2 x 2 or 1 x 4 splicing	1 x HDMI Out up to 4k@30Hz	1 x HDMI Out up to 4k@60Hz
Audio	1 x 3.5mm Line out	1 x Mic in, 1 x Line out	1 x 3.5mm Line out	3.5mm Line out(Green), 3.5mm Mic in(Pink)	1 x 3.5mm Combo Jack (CTIA)	1 x 3.5mm Combo Jack (CTIA)
USB	1 x USB 3.0, 1 x USB 2.0	2 x USB3.2, 4 x USB2.0 1 x Type-C	1 x USB 3.0 Type-A 3 x USB 2.0 Type-A 2 x USB 2.0 pin header	2 x USB3.0 Type-A 2 x USB2.0 Type-A	2 x USB3.0 Type-A, 2 x USB2.0 Type-A; 1 x TYPE-C (USB3.0&OTG)	2 x USB3.0 Type-A, 2 x USB2.0 Type-A; 1 x TYPE-C (USB3.0&OTG)
COM	4 x DB9 COM (RS-232/485 optional)	/	1 x RS-232+RS-485, 10 pin Phoenix connector 1 x RS-232/RS-485 DB9 1 x RS-232/TTL pin header	2 x RS232/RS485(DB9) 4 x RS232(Phoenix, 2 x 6pin);	1 x 10pin Phoenix terminal (1 x RS232+1 x RS485) 1 x DB9 (RS232/485 optional) 1 x 4pin (RS232/TTL optional)	1 x 10pin Phoenix terminal (1 x RS232+1 x RS485) 1 x DB9 (RS232/485 Optional) 1 x 4pin (RS232/TTLOptional)
GPIO	2 x GPIO wafer (7 x GPIO, 1 x ADC)	1 x Phoenix GPIO	1 x 10 pin Phoenix connector (4 lane in+4 lane out)	16 x GPIO(Phoenix, 2*10pin)	1 x 10pin Phoenix terminal (4 input, 4 output)	1 x 10pin Phoenix terminal (4 input, 4 output)
GPS	/	/	/	/	Onboard GPS Module (Optional)	Onboard GPS Module (Optional)
TPM/TCM	/	/	Z32H330TC TCM module USB 2.0 for encryption module expansion	OnBoard TCM/TPM (via built-in USB interface)	TCM Module (Z32H330TC); USB2.0 Pin (for encryption module)	TCM Module (Z32H330TC); USB2.0 Pin (for encryption module)
Other	1 x DC Jack 1 x power button 1 x TF card slot 1 x SIM card slot	1 x Power button 1 x 2.5/5.5 DC IN JACK 1 x Reset	1 x M.2 2280 for NVMe SSD or Cambricon MLU220 AI accelerator (up to 8 TOPS) 1 x TF Card	1 x M.2 2280, accelerator card, max 16 TOPS(optional); 1 x SO-DIMM, NVIDIA JETSON NX module (optional);	1 x SIM Slot, 2 x JLED Pin 1 x JPWR_ON, 1 x CPU FAN Pin 1 x Buzzer, 1 x CAN Pin 1 x Recovery Key	1 x SIM Slot, 2 x JLED Pin 1 x JPWR_ON, 1 x CPU FAN Pin 1 x Buzzer, 1 x CAN Pin 1 x Recovery Key
Power Supply	DC 12V	DC-IN 19V	DC 12V	DC IN 12V ~19V	12V DC IN, 5.5*2.5mm DC JACK	12V DC IN, 5.5*2.5mm DC JACK
OS	Android	Windows 10/11/Linux	Android 12	WIN10/Linux	Ubuntu20.04	Ubuntu20.04
Watchdog	Support	Support	Support	Support	Support	Support
Dimension	154mm x 107mm x 34 mm	264mm x 172mm x 55mm	187mm x 131mm x 54 mm	268(L) x 200(W) x 53.7(H)mm	187mmx 131mmx 54mm	187mm x 131mm x 54mm
Operating Conditions	-10°C~50°C, 10%~90% non-condensing	-5°C~50°C, 10%~90% non-condensing	0°C~50°C, 10%~90% non-condensing	0°C~50°C, 10%~90% non-condensing	0°C~60°C, 10%~90% non-condensing	0°C~60°C, 10%~90% non-condensing
Storage Conditions	-20~70°C, 10%~90% non-condensing	-20~70°C, 10%~90% non-condensing	-20~70°C, 5%~90% non-condensing	-20~70°C, 5%~90% non-condensing	-20~70°C, 10%~90% non-condensing	-20~70°C, 10%~90% non-condensing