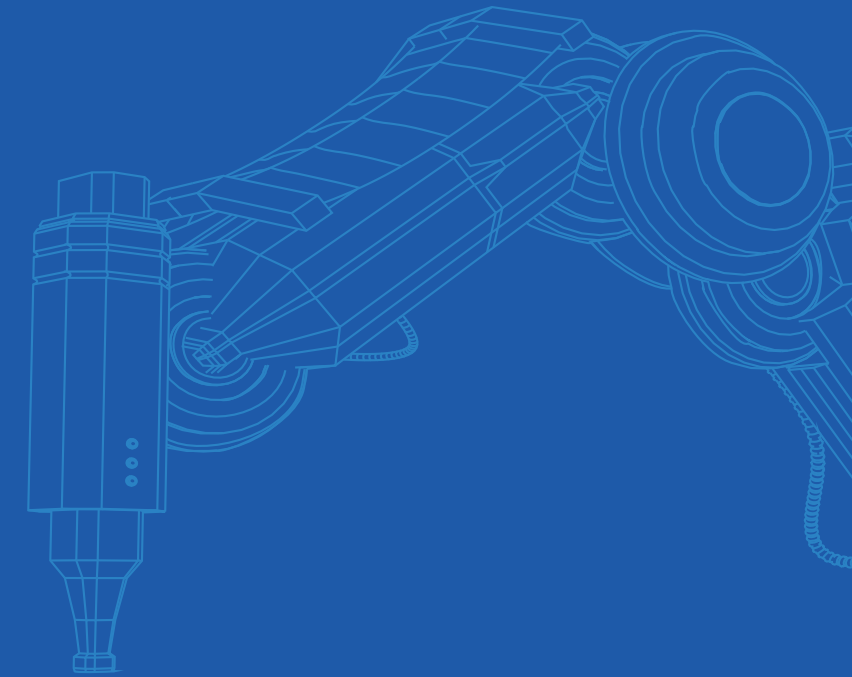


jwipc



jwipc

Being Smart, Being Intelligent

Industrial Product Catalog

IPC | Box PC | Panel PC | Single Board Computer
ARM-Based Products | Jetson Series | PAC | Industrial Servers

JWIPC Technology Co.,Ltd

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Guang Dong Province, PRC



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overseasales@jwele.com.cn



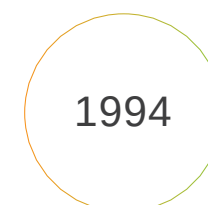
+86-0755-23981883

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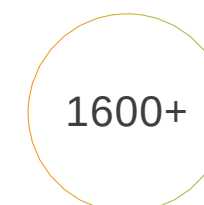
ABOUT JWIPC

Empowering customers, creating a smarter future.

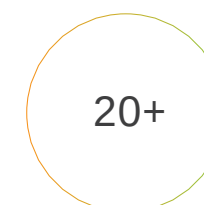
JWIPC is a national high-tech enterprise and a national “Specialized, Refined, Unique, and New” (SRUN) company. With a focus on intelligent hardware solutions, we are dedicated to advancing the AIoT ecosystem and enhancing digitalization. The company has core strengths in product development, flexible manufacturing, and digitalized information management.



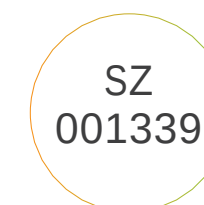
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No.of Employees



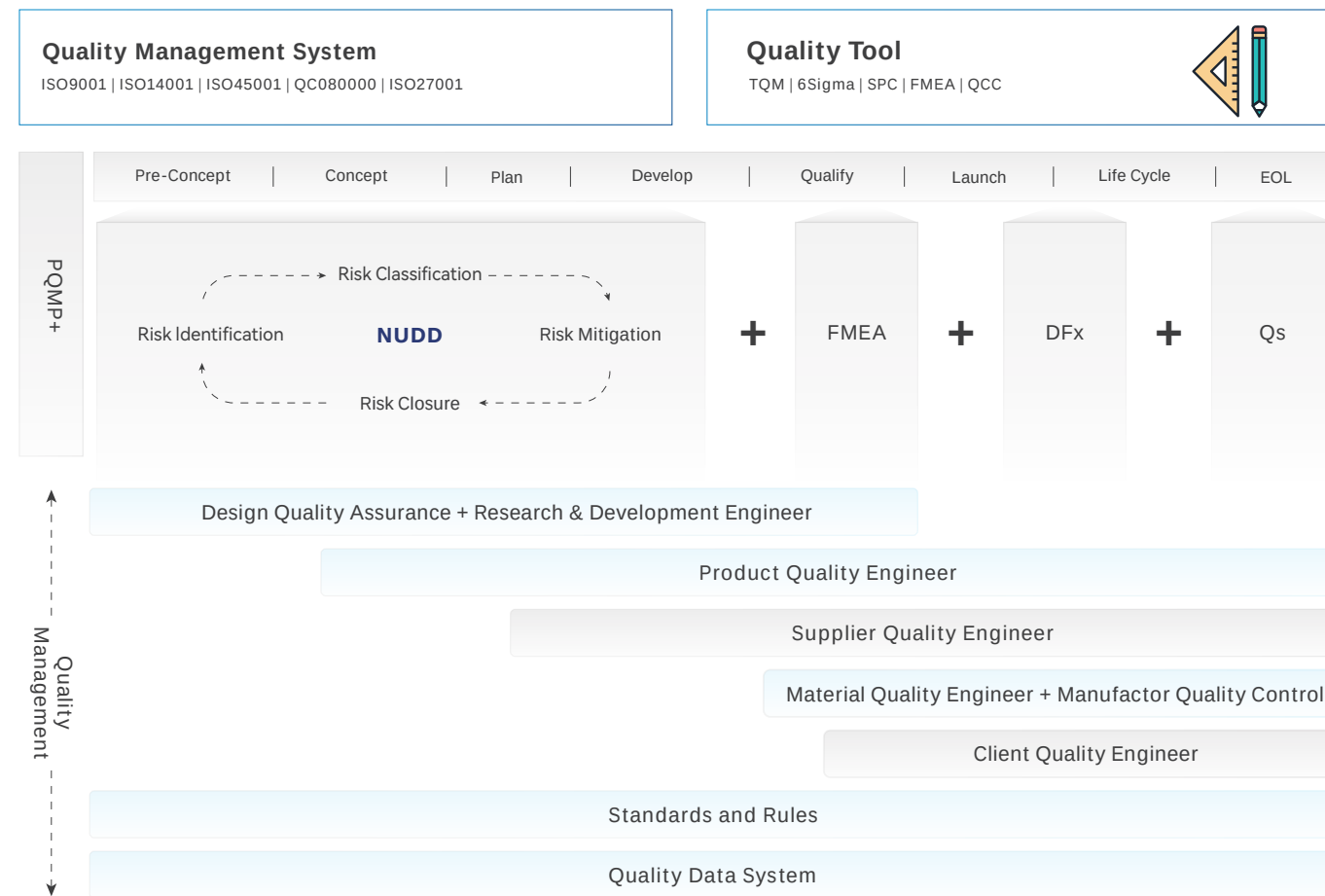
Market Sectors



Stock Symbol

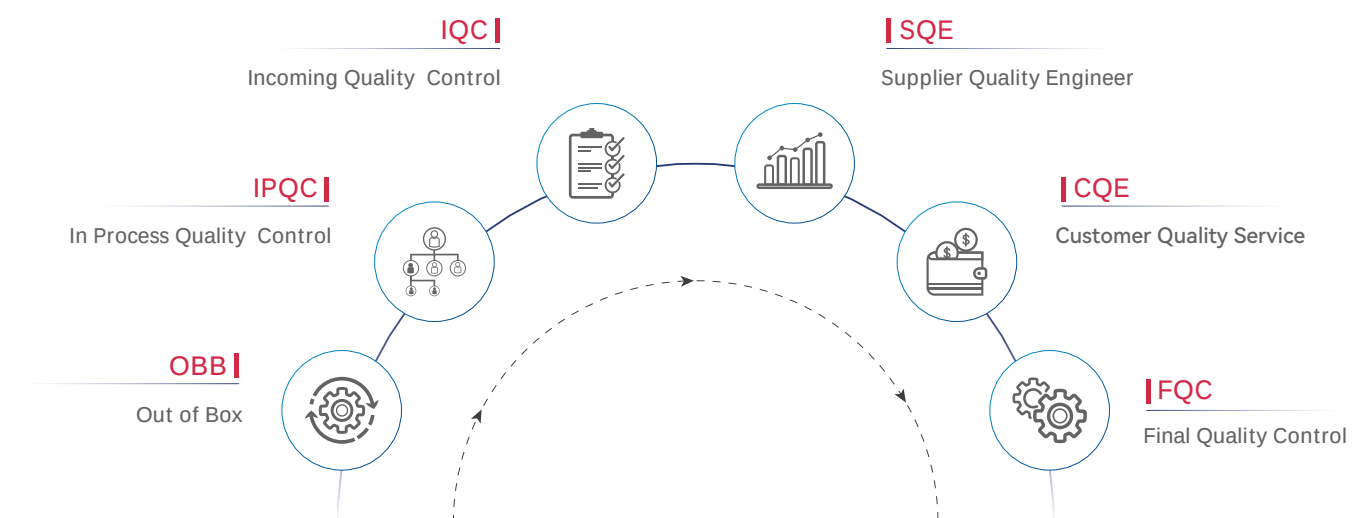


 Quality Management



Manufacturing

● ● ● SFC Full Process Control of Product Production ● ● ●



Complete Certification

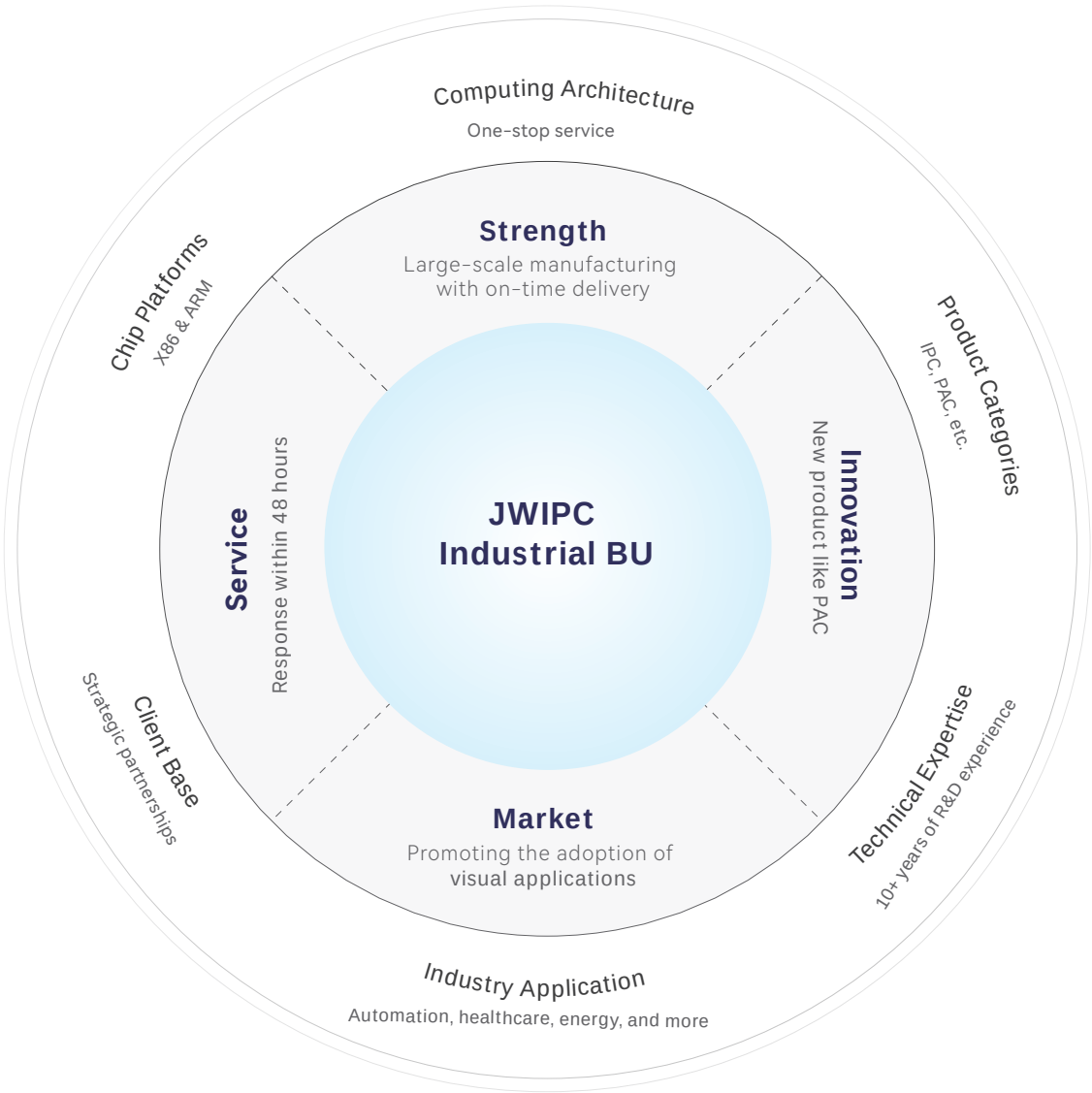
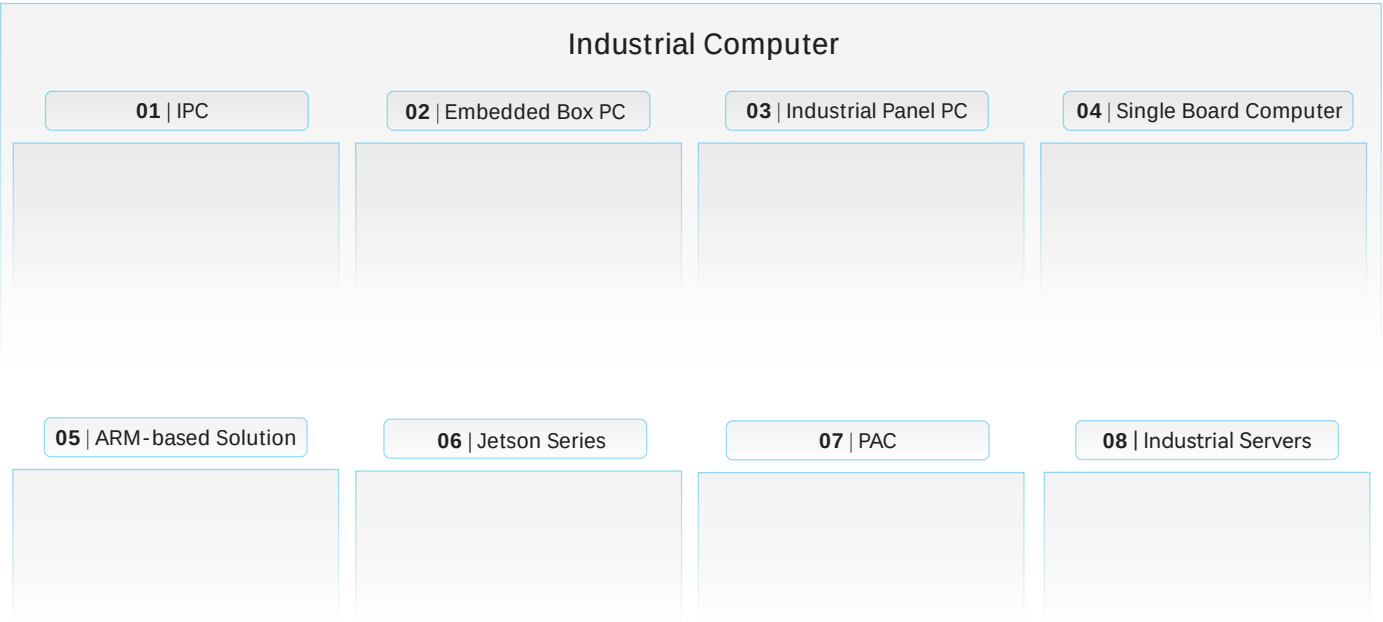
ISO9001、ISO14001、ISO45001、ISO27001、QC080000、IATF16949

About JWIPC Industrial BU

Future-Ready
with JWIPC
Industrial Product

JWIPC Industrial Product Lines

Empowering Industrial Digital and Intelligent Transformation



IPC

Rack-mount IPC

Wall-mount IPC

JWIPC Industrial offers a full range of industrial computing products, including rackmount and wallmount IPC, and ATX/mATX/Mini-ITX motherboards. Certified with 3C, FCC, and CE, our solutions ensure reliable performance in automation control, machine vision, and other industrial applications.

Superior quality

Multiple type and specifications available

Rich I/O interface

Wide application

Rack-Mount IPC - 800 Series			Wall-Mount IPC - 700 Series		
• IPC-4U830/4U840 Series • IPC-2U480 Series • IPC-1U420 Series			• IPC-7110 Series • IPC-7510 Series • IPC-7710 Series		

IPC		Rack Mount System	
4U Rackmount Chassis			
IPC-4U830-Z390		IPC-4U830-W580	
• Intel Z390 Series (intel Gen 6/8/9th Core-S) TDP: 95W • 4x DDR4 MAX 128GB / 2x Intel Fast Ethernet ports • 1x 2.5" HDD/SSD / 2x 3.5" HDD • 1x M.2 SATA & NVMe/10x USB/6x COM • VGA + DP + HDMI • Expansion Capability: 2x PCIe x16 (x8) + 2x PCIe x4+ 1x PCIe x4 (x1) + 2x PCI • I/O Panel with One-Touch Reset Button		• Intel W580 Series (Intel Gen 10~11th Core-S, Intel Xeon W-12xx/13xx Series) TDP: 125W • 4x DDR4 MAX ECC 128GB / 2x Intel Fast Ethernet ports • 1x 2.5" HDD/SSD / 2x 3.5" HDD • 1x M.2 SATA or NVMe / 12x USB / 6x COM ports • 2x DiP+ HDMI • Expansion Capability: 2x PCIe x16 (x8) + 3x PCIe x4 + 1x PCIe x4 (x1) + 1x PCI	
IPC-4U830-H610		IPC-4U840-H810	
• Intel H610 Series (Intel Gen 12~14th Core-S) TDP: 65W • 2x DDR4 MAX 64GB / 2x Intel Fast Ethernet ports • 1x 2.5" HDD/SSD / 2x 3.5" HDD • 1x M.2 NVMe / 10x USB / 6x COM ports • VGA + DP + HDMI • Expansion Capabilities: 1x PCIe x16 + 2x PCIe x4 (x2) + 4x PCI		• Intel H810 Series (Intel Ultra (Series 1/2)) TDP: 125W • 2x DDR5 MAX 96GB / 2x Intel Fast Ethernet ports • 1x 2.5" HDD/SSD / 2x 3.5" HDD • 1x M.2 SATA & NVMe / 12x USB / 6x COM ports • VGA + HDMI + DP • Expansion Capability: 1x PCIe x16 + 1x PCIe x4 + 1x PCIe x4 (x1) + 4x PCI • I/O panel with one-touch reset button	
Machine Vision Dedicated IPC			
IPC-4U830-Z390		IPC-4U830-W580	
• Intel Z390 Series (Intel Gen 6/8/9th Core-S) TDP: 95W • 4x DDR4 MAX 128GB / 6x Intel Fast Ethernet • 1x 2.5" HDD/SSD / 2x 3.5" HDD • 2x M.2 SATA & NVMe / 8x USB / 6x COM • VGA + HDMI + DP • Expansion Capability: 2x PCIe x16 (x8) + 5x PCI • I/O Panel with One-Touch Reset Button		• Intel W580 Series (Intel Gen 10~11th Core-S, Intel Xeon W-12xx/13xx Series) TDP: 125W • 4x DDR4 MAX 128GB ECC / 6x Intel Fast Ethernet ports • 1x 2.5" HDD/SSD / 2x 3.5" HDD • 2x M.2 SATA & NVMe / 8x USB / 6x COM ports • VGA + DP + HDMI • Expansion Capabilities: 2x PCIe x16 (x8) + 1x PCIe x8 (x4) + 2x PCIe x4 + 2x PCI	
IPC-4U830-Q670		IPC-4U840-W880	
• Intel Q670 Series (Intel Gen 12~14th Core-S) TDP: 125W • 4x DDR4 MAX 196GB / 6x Intel Fast Ethernet ports • 1x 2.5" HDD/SSD / 2x 3.5" HDD • 2x M.2 SATA & NVMe / 8x USB / 6x COM ports • VGA + DP + HDMI • Expansion Capability: 2x PCIe x16 (x8) + 2x PCIe x4 +1x PCIe x4 (x1) + 2x PCI • I/O panel with one-touch reset button		• Intel W880 Series (Intel Ultra (Series 2)) TDP: 125W, • 2x DDR5 MAX 196GB ECC / 6x Intel Gigabit Ethernet ports • 1x 2.5" HDD/SSD / 2x 3.5" HDD • 2x M.2 SATA & NVMe / 8x USB / 6x COM ports • VGA + DP + HDMI • Expansion Capability: 2x PCIe x16 (x8) + 3x PCIe x4 + 1x PCIe x4 (x1) + 1x PCI • I/O panel with one-touch reset button	

08

09

2U Rackmount Chassis

IPC-2U480-Z390	- Intel Z390 Series (Intel Gen 6/8/9th Core-S) TDP: 95W 4x DDR4 MAX 128GB / 2x Intel Fast Ethernet ports 1x 2.5" HDD/SSD 2x 3.5" HDD 1x M.2 SATA & NVMe / 10x USB / 3x COM - VGA + HDMI + DP - Expansion Capability: Half-height 2x PCIe x16 (x8) + 2x PCIe x4 + 1x PCIe x4 (x1) + 2x PCI - I/O panel with one-touch restore button	IPC-2U480-H610	- Intel H610 Series (Intel Gen 12~14th Core-S) TDP: 65W 2x DDR4 slots (max 64GB) / 2x Intel Gigabit Ethernet ports 1x 2.5" HDD/SSD 2x 3.5" HDD 1x M.2 NVMe/10x USB/3x COM - VGA + HDMI + DP - Expansion Capability: Half-height 1x PCIe x16 + 2x PCIe x4 (x2) + 4x PCI
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1U Rackmount Chassis

IPC-1U420-Z390	- Intel Z390 Series (Intel Gen 6/8/9th Core-S) TDP: 95W 2x DDR4 slots (max 128GB) / 2x Intel Fast Ethernet ports 2x 3.5" HDD or 2x 2.5" HDD/SSD 1x M.2 SATA & NVMe / 10x USB / 1x COM - VGA + HDMI + DP - Expansion: 1x full-height PCIe x16 (x8) - I/O panel with one-touch restore button	IPC-1U420-H610	- Intel H610 Series (Intel Gen 12~14th Core-S) TDP: 65W 2x DDR4 slots (max 64GB) / 2x Intel Fast Ethernet ports 2x 3.5" HDD or 2x 2.5" HDD/SSD 1x M.2 NVMe / 10x USB / 1x COM - VGA + HDMI + DP - Expansion: 1x full-height PCIe x16 slot
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IPC

Wall-Mount IPC

7-Slot Wall-Mount Chassis

IPC-7710-Z390	- Intel Z390 Series (Intel Gen 6/8/9th Core-S) TDP: 95W 4x DDR4 MAX 128GB / 2x Intel Fast Ethernet ports 1x 3.5" HDD / 1x 2.5" HDD/SSD 1x M.2 SATA & NVMe / 10x USB / 6x COM - VGA + HDMI + DP - Expansion Capabilities: 2x PCIe x16 (x8) + 2x PCIe x4 + 1x PCIe x4 (x1) + 2x PCI - I/O panel with one-touch restore button	IPC-7710-H110	- Intel H110 Series (Intel Gen 6~9th Core-S) TDP: 95W 2x DDR4 slots (max 64GB) / 2x Intel Gigabit Fast ports 1x 3.5" HDD / 1x 2.5" HDD/SSD 1x M.2 SATA / 8x USB ports / 6x COM - DVI-D + VGA + HDMI - Expansion slots: 1x PCIe x16 + 2x PCIe x4 (x1) + 4x PCI
IPC-7710-W580	- Intel W580 Series (Intel Gen 10~11th Core-S, Intel Xeon W~12xx/13xx Series) TDP: 125W 4x DDR4 MAX 128GB / 2x Intel Fast Ethernet ports 1x 2.5" HDD/SSD / 2x 3.5" HDD 1x M.2 SATA or NVMe / 12x USB / 6x COM 2x DP + HDMI - Expansion Capabilities: 2x PCIe x16 (x8) + 3x PCIe x4 + 1x PCIe x4 (x1) + 1x PCI	IPC-7710-H610	- Intel H610 Series (Intel Gen 12~14th Core-S) TDP: 65W 2x DDR4 MAX 64GB / 2x Intel Fast Ethernet ports 1x 2.5" HDD/SSD / 2x 3.5" HDD 1x M.2 NVMe / 10x USB / 6x COM - VGA + DP + HDMI - Expansion Capabilities: 1x PCIe x16 + 2x PCIe x4 (x2) + 4x PCI

4 Slot Wall-Mount Chassis

IPC-7510-Z390	- Intel Z390 Series (Intel Gen 6/8/9th Core-S) TDP: 95W 2x DDR4 MAX 64GB / 2x Intel Fast Ethernet ports 1x 2.5" HDD/SSD / 2x 3.5" HDD 1x M.2 NVMe / 10x USB / 5x COM - VGA + DP + HDMI - Expansion slots: 1x PCIe x16 + 1x PCIe x4 + 2x PCI - I/O panel with one-touch reset button	IPC-7510-H610	- Intel H610 Series (Intel Gen 12~14th Core-S) TDP: 65W 2x DDR4 slots (max 64GB) / 2x Intel Fast Ethernet ports 1x 2.5" HDD/SSD / 2x 3.5" HDD 1x M.2 NVMe / 10x USB/ 5x COM - VGA + DP + HDMI - Expansion slots: 1x PCIe x16 + 2x PCIe x4 + 1x PCI
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1 Slot Wall-Mount Chassis

IPC-7110-Z390	- Intel Z390 Series (Intel Gen 6/8/9th Core-S) TDP: 95W 2x DDR4 slots (max 32GB) / 2x Intel Fast Ethernet ports 1x 3.5" HDD or 2x 2.5" HDD/SSD 1x M.2 NVMe / 10x USB / 5x COM - Display outputs: VGA + DP+ HDMI - Expansion slots: 1x half-height PCIe x16 - I/O panel includes one-click reset button	IPC-7110-H610	- Intel H610 Series (Intel Gen 12~14th Core-S) TDP: 65W 2x DDR4 slots (max 64GB) / 2x Intel Fast Ethernet ports 1x 3.5" HDD bay or 2x 2.5" HDD/SSD bays 1x M.2 NVMe / 10x USB / 5x COM - Display outputs: VGA + DP + HDMI - Expansion slots: 1x half-height PCIe x16
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JWIPC Industrial has introduced its BOX PC product lines — JEC, JET, JMC, and PAS.

Featuring a diverse range of models, these products are engineered for various industrial scenarios and harsh environments. They are widely applied in fields such as industrial automation, healthcare, intelligent transportation, machine vision, and robotics.



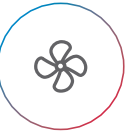
Multi-chip platform



Diverse product types



Modular design



Powerful heat dissipation

Product Recommendation			
Compact Box PC - JEC Series		Ultra- thin Box PC - JET Series	
• JEC-3000 ATOM Series • JEC-5000 Mobile Series • JEC-7000 Desktop Series		• JET-3000 ATOM Series • JET-5000 Mobile Series	
Expandable Box PC - JMC Series		Din -Rail Box PC - PAS Series	
• JMC-7100 6~9th Desktop Series • JMC-7300 10~11th Desktop Series		• PAS-7000Series • Vision Specific Series	

ATOM Platform

JEC-3010	• Intel Elkhart Lake J6413 Quad-core CPU • 1x DDR4-3200 SO-DIMM slot, max 32GB • HDMI+DP dual-display • Dual RJ45 2.5GbE ports • M.2 3042 for 4G/5G module (Wi-Fi optional) • M.2 Key-M 2242/2280 SATA SSD • 4x RS232/422/485 • 3x USB 3.0 + 1x USB 2.0 • 12V to 30V DC input	JEC-3011	• Intel Elkhart Lake J6413 Quad-core CPU • 1x DDR4-3200 SO-DIMM slot, max 32GB • HDMI+DP dual-display • Dual RJ45 2.5GbE • 4x RJ45 switch ports • M.2 3042 for 4G/5G (Wi-Fi optional) • M.2 Key-M 2242/2280 SATA SSD • M.2 2230 or Mini-PCle for Wi-Fi/BT • 4x RS232/422/485 + 2x RS232 • 3x USB 3.0 + 3x USB 2.0 • 12V to 30V DC input
JEC-3012	• Intel Elkhart Lake J6413 Quad-core CPU • 1x DDR4-3200 SO-DIMM slot, max 32GB • HDMI+DP dual-display • Dual RJ45 2.5GbE ports • M.2 3042 for 4G/5G (Wi-Fi optional) • M.2 Key-M 2242/2280 SATA SSD • 4x RS232/422/485 + 10x RS232 • 3x USB 3.0 + 9x USB 2.0 • 12V to 30V DC input	JEC-3013	• Intel Elkhart Lake J6413 Quad-core CPU • 1x DDR4-3200 SO-DIMM slot, max 32GB • HDMI+DP dual-display • Dual RJ45 2.5GbE ports • M.2 3042 for 4G/5G • M.2 Key-M 2242/2280 SATA SSD • 4x RS232/422/485 (DB9) • 4x RS485 (Phoenix terminal, isolated) • 2x CAN + 2x 8-bit DI/DO • 12V to 30V DC input
JEC-3020	• Intel Celeron J6412 Quad-core low-power CPU • 1x DDR4 SO-DIMM slot, max 32GB • HDMI+DP dual-display • 4x RJ45 GbE ports with 4kV surge protection • M.2 2280 Key-M for SATA SSD • M.2 3042/3052 Key-B for 4G/5G • M.2 2230 Key-E for Wi-Fi/BT • 4x USB 3.2 Gen2 for HD video • 4x RS232/422/485 + 2x RS232 (with cables) • 12V to 36V DC input		

Desktop Platform

JEC-2701	• Socketed 6/8/9th Gen Intel Core i3/i5/i7/i9/G CPUs • 2x DDR4 2133/2400/2666 SO-DIMM slots, max 32GB • VGA/DVI/HDMI • 4x LAN • 8x USB 3.0 + 1x internal USB 2.0 Type-A • 2x RS232/422/485 + 4x RS232 • 8x programmable GPIO • Mini PCIe expansion • 12V~30V DC input	JEC-2702	• Socketed 6/8/9th Gen Intel Core i3/i5/i7/i9/G CPUs • 2x DDR4 2133/2400/2666 SO-DIMM slots, max 64GB • VGA/DVI/HDMI • 4x LAN • 8x USB 3.0 + 1x internal USB 2.0 Type-A • 6x COM standard (expandable to 10) • 8x programmable GPIO • Mini PCIe expansion • 12V~30V DC input
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Mobile Platform

JEC-3510	- Intel Alder Lake-N CPU 1x DDR4-3200 SO-DIMM slot, max 16GB - HDMI+DP dual-display 2x LAN 4x USB 3.0 + 2x USB 2.0 - M.2 M-Key (2280 SATA/PCIe x1 NVMe) - M.2 E-Key 2230 1x RS485 (DB9), expandable to 6 COM - Rear I/O expansion support 12V to 24V DC input	JEC-3512	- Intel Alder Lake-N CPU 1x DDR4-3200 SO-DIMM slot, max 16GB - HDMI+DP dual-display 2x LAN 4x USB 3.0 + 5x USB 2.0 - M.2 M-Key (2280 SATA/PCIe x1 NVMe) - M.2 E-Key 2230 4x RS232 + 2x RS485 (optional) 12V to 24V DC input
JEC-5310	11th Gen TGU series low-power CPU (TDP 15W) 1x DDR4 SO-DIMM slot, max 32GB - HDMI+DP dual-display 4x RJ45 GbE ports with 4kV surge protection - M.2 2280 Key-M for SATA/NVMe SSD - M.2 3042/3052 Key-B for 4G/5G - M.2 2230 Key-E for Wi-Fi/BT 4x USB 3.2 Gen2 for HD video 4x RS232/422/485 + 2x RS232 (with cables) 12V to 36V DC input		

Laser Dedicated

JEC-7120	- LGA1151 Gen 6/7/8/9 Core® i3/i5/i7/i9 ® CPU 3 Gigabit Ethernet ports 1x RS232/422/485, 2x RS232 DB9 4x USB 3.0, 2x USB 2.0 - Supports VGA & HDMI independent display 1x SATA 3.0, 1x mSATA, 1x M.2 2280 SATA SSD - DC IN 12~24V - Optional remote communication module	JEC-7120F	- LGA1151 Socket for 6/7/8/9th Gen Core i3/i5/i7/i9 Processors 3 × Gigabit Ethernet Ports 1 × RS232/422/485, 2 × RS232 DB9 Interfaces 4 × USB 3.0 Ports, 2 × USB 2.0 Ports - Independent Dual Display Support (VGA & HDMI) 1 × SATA 3.0, 1 × mSATA, 1 × M.2 2280 SATA SSD Slot 12~24V DC Power Input - Optional Remote Communication Module
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Ultra- thin

JET-3020	- Intel® Celeron® J6412 Quad-core low-power CPU 1x DDR4 SO-DIMM slot, max 32GB - HDMI+DP dual-display 4x RJ45 GbE ports with 4kV surge protection - M.2 2280 Key-M for SATA SSD - M.2 3042/3052 Key-B for 4G/5G - M.2 2230 Key-E for Wi-Fi/BT 4x USB 3.2 Gen2 for HD video 2x RS232/422 12V to 36V DC input	JET-5310	11th Gen TGU series low-power CPU (TDP 15W) 1x DDR4 SO-DIMM slot, max 32GB - HDMI+DP dual-display 4x RJ45 GbE ports with 4kV surge protection - M.2 2280 Key-M for SATA/NVMe SSD - M.2 3042/3052 Key-B for 4G/5G - M.2 2230 Key-E for Wi-Fi/BT 4x USB 3.2 Gen2 for HD video 2x RS232/422/485 12V to 36V DC input
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Embedded Box PCExpandable Model

Intel 6~9th Gen

JMC-7110	- Supports Intel® LGA1151 6th/7th/8th/9th Core™ i7/i5/i3/Pentium®/Celeron® with Q170/H110 PCH 2x DDR4 SO-DIMM slots, max 32GB - VGA+HDMI dual-display 2x GbE LAN + 8x USB 2x isolated RS232/422/485 9~36V wide-voltage DC input - Flexible expansion slot support	JMC-7111	- Supports Intel® LGA1151 6th/7th/8th/9th Core™ i7/i5/i3/Pentium®/Celeron® with Q170/H110 PCH 2x DDR4 SO-DIMM slots, max 32GB - VGA+HDMI dual-display 2x GbE LAN + 8x USB 2x isolated RS232/422/485 1x PCIe x16 slot 9~36V wide-voltage DC input - Modular expansion support
JMC-7112	- Supports Intel® LGA1151 6th/7th/8th/9th Core™ i7/i5/i3/Pentium®/Celeron® with Q170/H110 PCH 2x DDR4 SO-DIMM slots, max 32GB - VGA+HDMI dual-display 2x GbE LAN + 8x USB 2x isolated RS232/422/485 - Configurable expansion: 1x PCIe x16+1x PCI / 2x PCI / 1x PCIe x16+1x PCIe x4 9~36V wide-voltage DC input - Modular expansion support	JMC-7113	- Supports Intel® LGA1151 6th/7th/8th/9th Core™ i7/i5/i3/Pentium®/Celeron® with Q170/H110 PCH 2x DDR4 SO-DIMM slots, max 32GB - VGA+HDMI dual-display 2x GbE LAN + 8x USB 2x isolated RS232/422/485 - Configurable expansion: 1x PCIe x16+2x PCI / 1x PCIe x8+2x PCIe x4 9~36V wide-voltage DC input - Modular expansion support
JMC-7114	- Supports Intel® LGA1151 6th/7th/8th/9th Core™ i7/i5/i3/Pentium®/Celeron® with Q170 PCH 2x DDR4 SO-DIMM slots, max 32GB - VGA+HDMI dual-display 2x GbE LAN + 8x USB 2x isolated RS232/422/485 1x PCIe x16 + 2x PCI + 1x PCIe x4 expansion 9~36V wide-voltage DC input - Modular expansion support	JMC-7100E1	- Supports Intel® LGA1151 6th/7th/8th/9th Core™ i7/i5/i3/Pentium®/Celeron® with Q170/H110 PCH - Dual 24V DC inputs + auxiliary 12V for add-on cards 2x front-accessible hot-swap 2.5" HDD trays - NVIDIA® GPU support for AI edge computing, 3D rendering & vision applications

Intel 10-11th Gen

JMC-7310	- Supports Intel® LGA1200 10th&11th Core™ i9/i7/i5/i3/Pentium®/Celeron®/Xeon® with W480E/H420E PCH 2x DDR4 SO-DIMM slots, max 64GB - VGA+HDMI dual-display 2x GbE LAN + 8x USB 2x RS232/422/485 9~36V wide-voltage DC input - Flexible expansion slot support	JMC-7311	- Supports Intel® LGA1200 10th&11th Core™ i9/i7/i5/i3/Pentium®/Celeron®/Xeon® with W480E/H420E PCH 2x DDR4 SO-DIMM slots, max 64GB - VGA+HDMI dual-display 2x GbE LAN + 8x USB 2x RS232/422/485 1x PCIe x16 slot 9~36V wide-voltage DC input - Modular expansion support
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JMC-7312	• Supports Intel® LGA1200 10th&11th Core™ i9/i7/i5/i3/Pentium®/Celeron®/Xeon® with W480E/H420E PCH • 2x DDR4 SO-DIMM slots, max 64GB • VGA+HDMI dual-display • 2x GbE LAN + 8x USB • 2x RS232/422/485 • Configurable expansion: 1x PCIe x16+1x PCI / 2x PCI / 1x PCIe x16+1x PCIe x4 • 9~36V wide-voltage DC input • Modular expansion support	JMC-7313	• Supports Intel® LGA1200 10th&11th Core™ i9/i7/i5/i3/Pentium®/Celeron®/Xeon® with W480E/H420E PCH • 2x DDR4 SO-DIMM slots, max 64GB • VGA+HDMI dual-display • 2x GbE LAN + 8x USB • 2x RS232/422/485 • Configurable expansion: 1x PCIe x16+2x PCI / 1x PCIe x8+2x PCIe x4 • 9~36V wide-voltage DC input • Modular expansion support
JMC-7314	• Supports Intel® LGA1200 10th&11th Core™ i9/i7/i5/i3/Pentium®/Celeron®/Xeon® with W480E/H420E PCH • 2x DDR4 SO-DIMM slots, max 64GB • VGA+HDMI dual-display • 2x GbE LAN + 8x USB • 2x RS232/422/485 • 1x PCIe x16 + 2x PCI + 1x PCIe x4 expansion • 9~36V wide-voltage DC input • Modular expansion support	JMC-7300E1	• Supports Intel® LGA1200 10th&11th Core™ i9/i7/i5/i3/Pentium®/Celeron®/Xeon® with W480E/H420E PCH • Dual 24V DC inputs + auxiliary 12V for add-on cards • 2x front-accessible hot-swap 2.5" HDD trays • NVIDIA® GPU support for AI edge computing, 3D rendering & vision applications

Embedded Box PC

Din-Rail Model

PAS-7510F	• Supports Gen 12~14th Intel Core i9/i7/i5/i3/G CPUs (LGA1700) • 2x DDR5 SO-DIMM slots, max 64GB • DP+HDMI dual-display • 4x USB 3.0 + 2x USB 2.0 • 2x RS485/232 • 4x Intel GbE + 1x CAN • 24V DC input	PAS-7511	• Supports 12th/13th-gen Intel Core i9/i7/i5/i3/G CPUs (LGA1700) • 2x DDR5 SO-DIMM slots, max 64GB • DP+HDMI dual-display • 4x USB 3.0 + 2x USB 2.0 • 2x RS485/232 + 4x RS485/422/232 (magnetically isolated) • 4x Intel GbE + 2x CAN • 16-bit opto-isolated digital I/O (8 DI + 8 DO) • 24V DC input
PAS-7512	• Supports Gen 12~14th Intel Core i9/i7/i5/i3/G CPUs (LGA1700) • 2x DDR5 SO-DIMM slots, max 64GB • DP+HDMI dual-display • 4x USB 3.0 + 2x USB 2.0 + 1x CAN • 6x Intel GbE (4x LAN with PoE support) • 16-bit opto-isolated digital I/O (8 DI + 8 DO) • 24V DC inputDP+HDMI dual-display • 24V DC input	PAS-7513	• Supports 12th/13th-gen Intel Core i9/i7/i5/i3/G CPUs (LGA1700) • 2x DDR5 SO-DIMM slots, max 64GB • DP+HDMI dual-display • 12x USB 3.0 (8x PoE via daughter card) + 2x USB 2.0 • 2x RS485/232 + 2x RS485/422/232 (magnetically isolated) • 4x Intel GbE + 1x CAN • 16-bit opto-isolated digital I/O (8 DI + 8 DO) • 24V DC input

Machine Vision Dedicated

EVC-7210	• Supports Intel LGA1151 socket 6th/8th/9th Gen i3/i5/i7/i9 CPUs, TDP 65W • 4x Intel Gigabit Ethernet ports (POE optional), • VGA + HDMI • 2x RS232/485, digital isolation • 4xUSB3.0, 1xUSB2.0 Type-A (internal for dongle) • 8DI 8DO (NPN/PNP compatible, optically isolated) • 4-channel PWM light source control (optional) • DCIN 12~24V wide-range input	EVC-5610	• Intel® Core Ultra Processors (Series 2) SoC design • CPU+GPU+NPU up to 99TOPS (Int8) AI computing power • 4 Intel Gigabit Ethernet ports (POE optional) • VGA + HDMI • 2x RS232/485, digital isolation • 4x USB 3.0, 1x USB 2.0 Type A (internal for dongle) • 8DI 8DO (NPN/PNP compatible, optically isolated) • 4-channel PWM light source control (optional) • DC IN 12~24V wide voltage input
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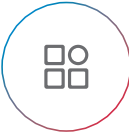
Industrial Panel PC

IVS/OVS/EIP/IOP/LIT/ARM/TDS

The JWIPC industrial panel pc includes IVS, OVS, EIP, IOP, LIT, ARM, and TDS product lines of industrial panel PCs. Compatible with multiple platforms, they feature strong computing performance, high expandability, and various size options. Widely used in MES, healthcare, oil and gas, environmental protection, automotive, food production, and machine vision applications.



Multi-computing Platform



Modular design



Multiple sizes available



Industrial-grade quality

Product Recommendation

Standard IVS Series	Modular OVS Series	ARMT Series
• 10.1"/10.4"/12.1"/15"/15.6"/17"/18.5"/21.5"	• 12.1"/15"/15.6"/17"/18.5"/21.5"	• 10.1" / 15.0" / 15.6" / 18.5" 21.5"

Light Industrial LIT Series	Operator Panel IOP Series	Industrial Monitor TDS Series
• 10.1"/15.6"/17"/18.5"/21.5"	• 15"/15.6"/17"/18.5"/21.5"	• 10.1"/10.4"/12.1"/15"/15.6"/17"/18.5"/21.5"

Industrial Panel PC

Integrated Data Visualization System

IVS-101

10.1 inch



- 10.1" LED backlight display (1280×800)
- Optional capacitive/resistive touchscreen (10-point touch)
- Platform options: Intel® Elkhart Lake / Alder Lake / Raptor Lake-U/Z390
- 2× or 4× Gigabit Ethernet ports
- 12-36V wide-voltage DC input with reverse/short /over-voltage/over-current protection

IVS-104

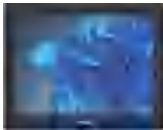
10.4 inch



- 10.4" LED backlight display (1024×768)
- Optional capacitive/resistive touchscreen (10-point touch)
- Platform options: Intel® Elkhart Lake / Alder Lake / Raptor Lake-U/Z390
- 2× or 4× Gigabit Ethernet ports
- 2× RS232/422/485 with surge protection
- 12-36V wide-voltage DC input with reverse/short/over-voltage/over-current protection

IVS-121

12.1 inch



- 12.1" LED backlight display (1024×768)
- Optional capacitive/resistive touchscreen (10-point touch)
- Platform options: Intel® Elkhart Lake / Alder Lake / Raptor Lake-U/Z390
- 2× or 4× Gigabit Ethernet ports
- 2× RS232/422/485 with surge protection
- 12-36V wide-voltage DC input with reverse/short/over-voltage/over-current protection

IVS-150

15.0 inch



- 15.0" LED backlight display (1024×768)
- Optional capacitive/resistive touchscreen (10-point touch)
- Platform options: Intel® Elkhart Lake / Alder Lake / Raptor Lake-U/Z390
- 2× or 4× Gigabit Ethernet ports
- 2× RS232/422/485 with surge protection
- 12-36V wide-voltage DC input with reverse/short/over-voltage/over-current protection

IVS-156

15.6 inch



- 15.6" LED backlight display (1920×1080)
- Optional capacitive/resistive touchscreen (10-point touch)
- Platform options: Intel® Elkhart Lake / Alder Lake / Raptor Lake-U/Z390
- 2× or 4× Gigabit Ethernet ports
- 2× RS232/422/485 with surge protection
- 12-36V wide-voltage DC input with reverse/short/over-voltage/over-current protection

IVS-170

17.0 inch



- 17.0" LED backlight display (1280×1024)
- Optional capacitive/resistive touchscreen (10-point touch)
- Platform options: Intel® Elkhart Lake / Alder Lake / Raptor Lake-U/Z390
- 2× or 4× Gigabit Ethernet ports
- 2× RS232/422/485 with surge protection
- 12-36V wide-voltage DC input with reverse/short/over-voltage/over-current protection

IVS-185

18.5 inch



- 18.5" LED backlight display (1920×1080)
- Optional capacitive/resistive touchscreen (10-point touch)
- Platform options: Intel® Elkhart Lake / Alder Lake / Raptor Lake-U/Z390
- 2× or 4× Gigabit Ethernet ports
- 2× RS232/422/485 with surge protection
- 12-36V wide-voltage DC input with reverse/short /over-voltage/over-current protection

IVS-215

21.5 inch



- 21.5" LED backlight display (1920×1080)
- Optional capacitive/resistive touchscreen (10-point touch)
- Platform options: Intel® Elkhart Lake / Alder Lake / Raptor Lake-U / Z390
- 2× or 4× Gigabit Ethernet ports
- 2× RS232/422/485 with surge protection
- 12-36V wide-voltage DC input with reverse/short/over-voltage/over-current protection

Industrial Panel PC

Open Frame Data Visualization System

OVS-121

12.1 inch



- 12.1" LED backlight display (1024×768)
- Optional capacitive/resistive touchscreen (10-point touch)
- Platform options: Intel® Bay Trail / Elkhart Lake / Alder Lake-U / Raptor Lake-U / Z390
- 2× or 4× Gigabit Ethernet ports
- 2× RS232/422/485
- 12-36V wide-voltage DC input

OVS-150

15.0 inch



- 15.0" LED backlight display (1024×768)
- Optional capacitive/resistive touchscreen (10-point touch)
- Platform options: Intel® Bay Trail / Elkhart Lake / Alder Lake / Raptor Lake-U
- 2× or 4× Gigabit Ethernet ports
- 2× RS232/422/485 with surge protection
- 12-36V wide-voltage DC input with reverse/short/over-voltage/over-current protection

OVS-156

15.6 inch



- 15.6" LED backlight display (1920×1080)
- Optional capacitive/resistive touchscreen (10-point touch)
- Platform options: Intel® Bay Trail / Elkhart Lake / Alder Lake / Raptor Lake-U
- 2× or 4× Gigabit Ethernet ports
- 2× RS232/422/485 with surge protection
- 12-36V wide-voltage DC input with reverse/short/over-voltage/over-current protection

OVS-170

17.0 inch



- 17.0" LED backlight display (1280×1024)
- Optional capacitive/resistive touchscreen (10-point touch)
- Platform options: Intel® Bay Trail / Elkhart Lake / Alder Lake / Raptor Lake-U / Z390
- 2× or 4× Gigabit Ethernet ports
- 2× RS232/422/485 with surge protection
- 12-36V wide-voltage DC input with reverse/short/over-voltage/over-current protection

OVS-185

18.5 inch



- 18.5" LED backlight display (1920×1080)
- Optional capacitive/resistive touchscreen (10-point touch)
- Platform options: Intel® Bay Trail / Elkhart Lake / Alder Lake / Raptor Lake-U / Z390
- 2× or 4× Gigabit Ethernet ports
- 2× RS232/422/485 with surge protection
- 12-36V wide-voltage DC input with reverse/short /over-voltage/over-current protection

OVS-215

21.5 inch



- 21.5" LED backlight display (1920×1080)
- Capacitive touchscreen (10-point touch)
- Platform options: Intel® Bay Trail / Elkhart Lake / Alder Lake / Raptor Lake-U / Z390
- 2× RS232/422/485 with surge protection
- 12-36V wide-voltage DC input
- I/O: HDMI / 2× LAN / 4× USB / 2× COM

Industrial Panel PC

Expandable Industrial Panel PC

EIP-150

15.0 inch



- H110 chipset supports 6th/7th/8th/9th Gen CPUs, max 65W TDP
- Features LGA1151 socket CPU with max 65W TDP
- 15-inch LED-backlit display, 1024x768 resolution
- Optional capacitive/resistive touchscreen; capacitive screen supports 10-point touch
- Standard configuration: 3 RJ45 Ethernet ports, 4 USB 3.0 ports, 2 USB 2.0 ports
- 2 RS232/485 ports, 2 RS232 DB9 connectors
- Supports expansion: 1x PCIe x16, 1x PCIe x1
- Supports wide-range DC 12V-24V input

EIP-156

15.6 inch



- H110 chipset supports 6th/7th/8th/9th Gen CPUs, max 65W TDP
- 15.6-inch LED-backlit display, 1920x1080 resolution
- Optional capacitive/resistive touchscreen; capacitive screen supports 10-point touch
- Standard configuration: 3 RJ45 Ethernet ports, 4 USB 3.0 ports, 2 USB 2.0 ports
- 2 RS232/485 ports, 2 RS232 DB9 connectors
- Expansion support: 1x PCIe x16 slot, 1x PCIe x1 slot
- Supports wide-range DC 12-24V input

EIP-170

17.0 inch



- H110 chipset supports 6th/7th/8th/9th Gen CPUs, max 65W TDP
- 17-inch LED-backlit display, 1280x1024 resolution
- Optional capacitive/resistive touchscreen; capacitive screen supports 10-point touch
- Standard configuration: 3x RJ45 Ethernet ports, 4x USB 3.0, 2x USB 2.0
- 2x RS232/485 ports, 2x RS232 DB9 connectors
- Supports expansion: 1x PCIe x16, 1x PCIe x1
- Supports wide-range DC 12-24V input

EIP-185

18.5 inch



- H110 chipset supports 6th/7th/8th/9th Gen CPUs, max 65W TDP
- 18.5-inch LED-backlit display, 1920x1080 resolution
- Optional capacitive/resistive touchscreen; capacitive screen supports 10-point touch
- Standard configuration: 3 RJ45 Ethernet ports, 4 USB 3.0 ports, 2 USB 2.0 ports
- 2 RS232/485 ports, 2 RS232 DB9 connectors
- Expansion support: 1x PCIe x16 slot, 1x PCIe x1 slot
- Supports wide-range DC 12-24V input

EIP-215

21.5 inch



- H110 chipset supports 6th/7th/8th/9th Gen CPUs, max 65W TDP
- 21.5-inch LED-backlit display, 1920x1080 resolution
- Optional capacitive/resistive touchscreen; capacitive screen supports 10-point touch
- Standard configuration: 3 RJ45 Ethernet ports, 4 USB 3.0 ports, 2 USB 2.0 ports
- 2 RS232/485 ports, 2 RS232 DB9 connectors
- Expansion support: 1x PCIe x16 slot, 1x PCIe x1 slot
- Supports wide-range DC 12-24V input

Industrial Panel PC

Light industrial Panel PC

LIT-101
10.1inch



- Based on Intel Jasperlake platform
- 10.1-inch LED-backlit display, resolution 800x1280
- **Capacitive touchscreen**
- 1 x SO-DIMM DDR4 memory expansion, supports up to 8GB
- DC 12V wide-voltage input
- Supports mSATA expansion
- Supports 10/100/1000M Ethernet
- Supports Wake-on-LAN/Watchdog/Power-on-Startup

LIT-156-TGU
15.6 inch



- Intel® 11th Gen Tiger Lake-U processor
- 15.6-inch LED-backlit display, 1920x1080 resolution
- Fully laminated capacitive touchscreen with 10-point touch support
- IP65 front bezel protection
- 2 x RS232/422/485 ports, 1 x RS232 serial port (expandable to 3 x RS232 serial ports via side expansion)
- 1 x M.2 Key E 2230 slot
- 1 x M.2 Key B 3052/3042 slot
- DC 12-24V wide voltage input

LIT-185-TGU
18.5 inch



- Intel® 11th Gen Tiger Lake-U processor
- 18.5-inch LED-backlit display with 1920x1080 resolution
- Capacitive touchscreen supporting 10-point touch
- IP65 front panel protection
- 2 x RS232/422/485 interfaces, 1 x RS232 serial port (expandable to 3 x RS232 serial ports on the side)
- 1 x M.2 Key E 2230 slot
- 1 x M.2 Key B 3052/3042 slot
- DC 12-24V wide voltage input

LIT-215
21.5 inch



- Intel® 11th Gen Tiger Lake-U processor
- 21.5-inch LED-backlit display with 1920x1080 resolution
- Capacitive touchscreen with anti-glare surface
- IP65 front bezel
- 2 x RS232/422/485 interfaces, 1 x RS232 serial port
- 1 x M.2 Key E 2230 slot, 1 x M.2 Key B 3052/3042 slot
- Front panel with NFC reader (optional)
- DC 12-24V wide voltage input, DC-Jack with tamper-resistant screws

Industrial Panel PC

Advanced RISC Machine Terminal

ARMT-101
10.1 inch



- **16:10 aspect ratio**, 350 nits
- 1280x800 resolution
- CPU: RK3568/3576/3588
- 4x USB 3.0, 2x LAN, 1x HDMI
- 5x RS232 (2x COM ports support RS232/485, 3 ports selectable)
- Supports 12V DCIN with optional DC+12V~36V wide-voltage input

ARMT-150
15 inch



- **4:3 aspect ratio**, 300 nits
- 1024x768 resolution
- CPU: RK3568/3576/3588
- 4x USB 3.0, 2x LAN, 1x HDMI
- 5x RS232 (2x COM ports support RS232/485, 3 ports optional)
- Supports 12V DCIN with optional DC+12V~36V wide-voltage input
- **16:9 aspect ratio**, 250 nits
- 1920x1080 resolution

ARMT-156
15.6 inch



- **16:9 aspect ratio**, 300 nits
- 1920x1080 resolution
- CPU: RK3568/3576/3588
- 4x USB 3.0, 2x LAN, 1x HDMI
- 5x RS232 ports (2x COM ports support RS232/485, 3 ports optional)
- Supports 12V DCIN with optional DC+12V~36V wide-voltage input

ARMT-170
18.5 inch



- **16:9 aspect ratio**, 250 nits
- 1920x1080 resolution
- CPU: RK3568/3576/3588
- 4x USB 3.0, 2x LAN, 1x HDMI
- 5x RS232 (2x COM ports support RS232/485, 3 ports selectable)
- Supports 12V DCIN with optional DC+12V~36V wide-voltage input

ARMT-215
ARM



- 21.5-inch LED-backlit display, 1920x1080 resolution
- Capacitive touchscreen with 10-point touch support
- RK3568/RK3588 processor
- Supports 2 x Gigabit Ethernet ports
- Supports 2 x RS232/485 ports
- Supports 12V DC IN with optional DC+12V~36V wide-voltage input

Industrial Panel PC

Industrial Operator Panel



HD-LINK
Industrial Extended-Reach Module

- Industrial-grade high-performance decoding chip
- Surge-protected industrial interfaces
- Simultaneous video + USB signal transmission
- 100m extended reach without signal degradation
- DIN-rail mounting support
- 12-36V wide-voltage input



IOP-215
Operator Panel Display

- 21.5" LED backlight display (1920×1080)
- Wide-viewing-angle display with 10-point capacitive touch
- VGA/HDMI/DVI video interfaces
- 12-36V wide-voltage input
- Supports extended-reach modules via custom M.2 slot

Industrial Panel PC

Industrial Touch Monitor

TDS-P101
10.1inch



- 10.1" LED backlight display (1280×800)
- Capacitive touchscreen supporting 10-point touch
- VGA/HDMI/DVI video interfaces
- **70m long-distance signal transmission with no attenuation (optional)**
- 12-36V wide voltage input
- Industrial-grade interface protection design with surge protection

TDS-P121
12.1inch



- 12.1" LED backlight display (1024×768)
- Wide-viewing-angle display with optional capacitive
- Capacitive touchscreen supports 10-point touch
- VGA/HDMI/DVI video interfaces
- 12-36V wide-voltage input
- **Dual 3W speakers**

TDS-P150
15.0 inch



- 15.0" LED backlight display (1024×768)
- Wide-viewing-angle display with optional capacitive
- Capacitive touchscreen supports 10-point touch
- VGA/HDMI/DVI video interfaces
- 12-36V wide-voltage input
- **Dual 3W speakers**

TDS-P156
15.6 inch



- 15.6" LED backlight display (1920×1080)
- Wide-viewing-angle display with optional capacitive
- Capacitive touchscreen supports 10-point touch
- VGA/HDMI/DVI video interfaces
- 12-36V wide-voltage input
- **Dual 3W speakers**

TDS-P170
17.0 inch



- 17.0" LED backlight display (1280×1024)
- Wide-viewing-angle display with optional capacitive
- Capacitive touchscreen supports 10-point touch
- VGA/HDMI/DVI video interfaces
- 12-36V wide-voltage input
- **Dual 3W speakers**

TDS-P185
18.5 inch



- 18.5" LED backlight display (1920×1080)
- Wide-viewing-angle display with optional capacitive
- Capacitive touchscreen supports 10-point touch,
- VGA/HDMI/DVI video interfaces
- 12-36V wide-voltage input
- **Dual 3W speakers**

TDS-P215
21.5 inch



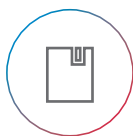
- 21.5" LED backlight display (1920×1080)
- Wide-viewing-angle display with optional capacitive
- Capacitive touchscreen supports 10-point touch
- VGA/HDMI/DVI video interfaces
- 12-36V wide-voltage input
- **Dual 3W speakers**

Single Board Computer

3.5inch/4inch Embedded Single Board



JWIPC Embedded Single Board Computers include 3.5-inch and 4-inch models, featuring compact design, strong performance, rich interfaces, and low power consumption. Based on the x86 architecture with high performance processors, they deliver fast and reliable computing. The series ranges from entry-level to high-performance models, meeting diverse industrial needs.



Compact size



Powerful performance



Rich interfaces



Ultra-low power consumption

Product Recommendation

3.5inch



• Intel Twin Lake-N SOC • Intel Alder Lake-U/N SOC • Intel Tiger Lake SOC

4inch



• Intel Elkhart Lake SOC • Intel Tiger Lake SOC • Intel WSK-U/CML-U SOC

Single Board Computer

3.5 inch Embedded Single Board



AIoT3-TGU

- Supports 11th-gen TGU series low-power CPUs (TDP 15W Turbo 28W)
- 2x DDR4 SO-DIMM slots, max 64GB
- M.2 2280 Key-M supports SATA/NVMe auto-switching
- M.2 3052 Key-B supports 4G/5G + WiFi/BT
- 4x USB 3.0 Gen1 ports for HD video devices
- Triple-display interfaces with independent output



AIoT3-ADU

- Onboard 12th-gen Intel Alder Lake-U CPU (Max TDP 15W)
- Dual-channel DDR5 4800MHz SO-DIMM, max 64GB (32GB per slot)
- M.2 2280 Key-M supports SATA/NVMe auto-switching
- M.2 3042 Key-B supports 4G/5G
- M.2 2230 Key-E supports CNVi/WiFi6/BT
- Quad-display (HDMI+DP+LVDS+USB-C Alt Mode) with independent output
- 4x USB 3.0 Gen1 + Thunderbolt™ 4.0 (Type-C)
- High-Tg wide-temp PCB
- Industrial-grade port protection
- Optional military-grade wide-temp



SIM3-3510/3520

- Onboard Intel Alder Lake-N/Twin Lake-N CPUs (Max TDP 15W)
- 1x DDR4 SO-DIMM slot, max 16GB
- M.2 2280 Key-M supports SATA/NVMe auto-switching
- M.2 3042/3052 Key-B supports 4G/5G
- M.2 2230 Key-E supports WiFi/BT
- Back-mounted CPU, 12/24V DC input
- Triple-display with independent output

Embedded SingleBoard Series

4 inch Embedded Single Board



AIoT4-TGU

- Supports 11th-gen TGU series low-power CPUs (TDP 15W Turbo 28W)
- 2x DDR4 SO-DIMM slots, max 64GB
- M.2 2280 Key-M supports SATA/NVMe auto-switching
- M.2 3042/3052 Key-B supports 4G/5G
- M.2 2230 Key-E supports WiFi/BT
- Quad-display (HDMI+DP+LVDS+eDP) with independent output
- 2x Intel GbE ports with 4kV surge protection
- 4x USB 3.2 Gen2 for HD video
- High-Tg wide-temp PCB
- Industrial-grade port protection
- Optional -40~70°C industrial wide-temp



AIoT4-CMU

- Onboard 10th-gen Intel Comet Lake-U CPU
- Dual Intel GbE ports
- Rich industrial I/O: 6x COM, 9x USB, 8-bit GPIO, mSATA, Mini-PCIe, LVDS/eDP, SM-Bus, LPC
- 10~24V wide-voltage DC input
- 1x DDR4 SO-DIMM slot, max 16GB
- High-Tg wide-temp PCB
- Industrial-grade port protection
- Industrial interface chips ensure stable data transfer



AIoT4-EHL

- Supports Elkhart Lake low-power CPUs (TDP 10W)
- 1x DDR4 SO-DIMM slot, max 32GB
- M.2 2242/2280 Key-M for SATA SSD
- M.2 3042/3052 Key-B for 4G/5G; M.2 2230 Key-E for WiFi/BT
- Triple-display (HDMI+DP+eDP/LVDS)
- 2x Intel GbE ports with 4kV surge protection
- 4x USB 3.0 Gen1 (5Gbps) for HD video
- Optional -40~70°C industrial wide-temp
- Industrial-grade port protection

ARM-based Products

Industrial Motherboards/System-on-module/Industrial Box PC/Edge AI



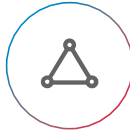
JWIPC's ARM product line draws on nearly two decades of RISC architecture expertise to offer a comprehensive ARM portfolio, including core modules, industrial motherboards, and complete control systems. With strong manufacturing and delivery capabilities, we provide prompt technical support and help industrial clients achieve smooth product upgrades and large-scale deployments.



User-friendly



Free technical support



High reliability



Long lifecycle services

Product Recommendation

SMARC Module-JSOM Series	3.5 inch Board-JES Series	
		
• NXP i.MX Series • Rockchip platform	• NXP i.MX Series • Rockchip platform	
BOX PC-JEA Series	Edge AI-E Series	Dedicated Box PC
		
• NXP i.MX Series • Rockchip platform	• NVIDIA Jetson Series • Rockchip platform	• Visual Controller • Energy Storage Gateway • Robot Controller

ARM-based Products

System-on-Module & Development Boards

JSOM-N8MC

NXP i.MX 8M Mini SMARC Module



- Industrial-grade NXP i.MX 8M Mini SoC
- 4x Cortex-A53 + 1x Cortex-M4 + GC NanoUltra GPU
- Onboard 2/4GB LPDDR4 + 16/32/64GB eMMC
- Display: MIPI-DSI / dual-channel LVDS
- I/O: 1x GbE, 1x PCIe, 5x USB, 4x UART
- Onboard dual-band 2.4/5GHz WiFi
- Supports -20~70°C or industrial -40~85°C

JSOM-N8PC

NXP i.MX 8M Plus SMARC Module



- Industrial-grade NXP i.MX 8M Plus SoC
- 4x Cortex-A53 + 1x Cortex-M7 + GC7000UL GPU
- Integrated 2.3 TOPS NPU for edge AI
- Onboard 2/4/6GB LPDDR4 + 16/32/64GB eMMC
- Dual/triple display: HDMI/LVDS/MIPI-DSI
- I/O: 2x GbE, 1x PCIe, 5x USB, 4x UART, 2x CAN
- Supports -20~70°C or industrial -40~85°C

JSOM-R68C

Rockchip RK3568J SMARC Module



- Industrial-grade Rockchip RK3568J SoC
- 4x Cortex-A55 + Mali-G52 GPU + 1 TOPS NPU
- For 1-2 stream lightweight AI inference
- Onboard 2/4/8GB LPDDR4/4X + 32/64/128GB eMMC
- Display: HDMI/eDP/LVDS/MIPI-DSI
- I/O: 1x GbE, 2x PCIe, 4x USB, 4x UART, 2x CAN
- Supports 0~60°C or industrial -40~85°C

JSOM-R88C

Rockchip RK3588J SMARC Module



- Industrial-grade Rockchip RK3588J SoC
- 4x Cortex-A76 + 4x Cortex-A55 + quad-core GPU + 6 TOPS NPU
- Real-time 8-12 stream video analysis & parallel AI tasks
- Onboard 4/8/16GB LPDDR4X + 32/64/128GB eMMC
- Multimedia: HDMI/DP/eDP/MIPI-DSI/2x MIPI-CSI
- I/O: 1x GbE, 3x PCIe, 1x SATA, 4x USB, 4x UART, 2x CAN
- Supports 0~60°C or industrial -40~85°C

JSOM-SC211

SMARC 2.1.1 Full-Feature Eval Board



- Compatible with JSOM SMARC 2.1.1 modules
- Multimedia: HDMI/DP/eDP/LVDS/MIPI-DSI/MIPI-CSI
- I/O: 1x SATA, 6x USB, 4x COM, 2x CAN, 2x SPI
- 3x GbE with PHY/PCIe verification
- Wireless expansion: WiFi/BT/5G/4G
- Storage expansion: NVMe SSD/AI accelerator
- Supports industrial -40~85°C

JSOM-ORIN

NVIDIA Jetson Orin Dev Board



- Supports NVIDIA Jetson Orin Nano/NX modules
- Rapid edge deployment of deep learning models
- I/O: 2x GbE, 6x USB, 3x COM, 8x GPIO
- GPS & wireless module expansion
- Storage: M.2 NVMe SSD/TF card
- TPM/TCM encryption for secure deployment
- Preinstalled Linux Ubuntu + NVIDIA JetPack SDK

ARM-based Products

Embedded Single-board Computer

JES-N93I

NXP i.MX 93 3.5" Embedded SBC



- Industrial-grade NXP i.MX 93 SoC
- 2x Cortex-A55 + 1x Cortex-M33 + 0.5 TOPS NPU
- Onboard 1/2GB LPDDR4X + 8/16/32GB eMMC
- Display: MIPI-DSI/HDMI + LVDS
- I/O: 2x GbE, 2x CAN FD, 6x USB, 6x COM, 7x GPIO
- Optional WiFi/BT; Mini PCIe 4G expansion
- Supports industrial -40~85°C

JES-R68I

Rockchip RK3568J 3.5" SBC



- Industrial-grade Rockchip RK3568J SoC
- 4x Cortex-A55 + Mali-G52 GPU + 1 TOPS NPU
- Onboard 2/4/8GB LPDDR4/4X + 32/64/128GB eMMC
- Display: HDMI/eDP/LVDS/MIPI-DSI
- I/O: 2x GbE, 2x CAN, 5x USB, 6x COM, 7x GPIO
- Optional WiFi/BT; M.2 4G/5G expansion
- Supports 0~60°C or industrial -40~85°C

JES-R76I

Rockchip RK3576J 3.5" SBC



- Industrial-grade Rockchip RK3576J SoC
- 4x Cortex-A72 + 4x Cortex-A53 + tri-core GPU + 6 TOPS NPU
- Onboard 4/8/12GB LPDDR5 + 32/64/128GB eMMC
- Display: HDMI + DP (USB-C) + dual-channel LVDS
- I/O: 2x GbE, 2x CAN, 4x USB, 4x COM, 8x GPIO
- Expansion: WiFi/BT/5G/4G/UFS/TPM
- Supports 0~60°C or industrial -40~85°C

JES-R88I

Rockchip RK3588J Embedded SBC



- Industrial-grade Rockchip RK3588J SoC
- 4x Cortex-A76 + 4x Cortex-A55 + quad-core GPU + 6 TOPS NPU
- Onboard 4/8/16GB LPDDR4X + 32/64/128GB eMMC
- Display: HDMI In/Out + eDP + LVDS
- I/O: 2x GbE, 2x CAN, 5x USB, 6x COM, 7x GPIO
- Expansion: WiFi/BT/5G/4G/NVMe SSD/AI accelerator
- Supports 0~60°C or industrial -40~85°C

ARM-based Products

Fanless Box PC

JEA-E93I

NXP i.MX 93 Fanless FanlessBox PC



- Industrial-grade NXP i.MX 93 SoC
- 2x Cortex-A55 + 1x Cortex-M33 + 0.5 TOPS NPU
- 2GB LPDDR4X + 8/16/32GB eMMC
- HDMI 1.4 (1080p60)
- I/O: 2x GbE, 2x CAN, 4x USB, 6x COM
- Optional WiFi/BT; Mini PCIe 4G
- Preinstalled Yocto Linux + Qt
- Mounting: DIN-rail/back/wall
- Supports industrial -40~70°C

JEA-E68I

Rockchip RK3568J FanlessBox PC



- Industrial-grade Rockchip RK3568J SoC
- 4x Cortex-A55 + Mali-G52 GPU + 1 TOPS NPU
- 2/4/8GB LPDDR4/4X + 32/64/128GB eMMC
- HDMI 2.0a (4K60)
- I/O: 2x GbE, 2x CAN, 4x USB, 6x COM
- Optional WiFi/BT; M.2 4G/5G
- OS: Android/Linux/OpenHarmony
- Mounting: DIN-rail/back/wall
- Supports industrial -40~70°C

JEA-E76I

Rockchip RK3576J FanlessBox PC



- Industrial-grade Rockchip RK3576J SoC
- 4x Cortex-A72 + 4x Cortex-A53 + 6 TOPS NPU
- 4/6/8GB LPDDR4X + 32/64/128GB eMMC
- Dual-display: HDMI + DP(USB-C) (4K+2K)
- I/O: 2x GbE, 2x CAN, 3x USB 3.0, 4x COM
- Expansion: WiFi/BT/5G/4G/UFS/TPM
- OS: Android/Linux/OpenHarmony
- Mounting: DIN-rail/back/wall
- Supports industrial -40~70°C

JEA-E88I

Rockchip RK3588J FanlessBox PC



- Industrial-grade Rockchip RK3588J SoC
- 4x Cortex-A76 + 4x Cortex-A55 + 6 TOPS NPU
- 4/8/16GB LPDDR4X + 32/64/128GB eMMC
- HDMI In/Out (4K video I/O)
- I/O: 2x GbE, 2x CAN, 4x USB, 6x COM
- Expansion: WiFi/BT/5G/4G/NVMe SSD
- OS: Android/Linux/OpenHarmony
- Mounting: DIN-rail/back/wall
- Supports industrial -40~70°C

ARM-based Products

Edge AI

JEA-E088

Rockchip RK3588 NX Edge AI



- Rockchip RK3588 SoC + AI module expansion
- 4x Cortex-A76 + 4x Cortex-A55 + 6 TOPS NPU
- Multi-stream real-time AI video analysis
- I/O: 2x GbE, 4x USB, 3x COM, 8x GPIO
- Wireless: WiFi/BT/5G/4G/Zigbee
- Storage: M.2 NVMe SSD/TF card
- TPM/TCM encryption
- OS: Android/Linux/OpenHarmony

JEA-E608S

NVIDIA Jetson Orin NX Edge AI



- NVIDIA Jetson Orin Nano 4GB/8GB module
- Ampere GPU + Cortex-A78AE CPU (34/67 INT8 TOPS)
- Edge deployment of deep learning models
- I/O: 2x GbE, 6x USB, 3x COM, 8x GPIO
- GPS & wireless expansion
- Storage: M.2 NVMe SSD/TF card
- TPM/TCM encryption
- Preinstalled Ubuntu + NVIDIA JetPack SDK

JEA-E618S

NVIDIA Jetson Orin NX AI System



- NVIDIA Jetson Orin NX 8GB/16GB module
- Ampere GPU + Cortex-A78AE CPU (117/157 INT8 TOPS)
- Edge deployment of deep learning models
- I/O: 2x GbE, 6x USB, 3x COM, 8x GPIO
- GPS & wireless expansion
- Storage: M.2 NVMe SSD/TF card
- TPM/TCM encryption
- Preinstalled Ubuntu + NVIDIA JetPack SDK

PAS-6100

NVIDIA Jetson AGX Orin AIBOX



- NVIDIA Jetson AGX Orin module
- Ampere GPU + Cortex-A78AE CPU (275 INT8 TOPS)
- Up to 64GB VRAM for generative AI
- I/O: 2x GbE, CAN, RS232/485
- GPS & wireless expansion
- Storage: M.2 NVMe SSD/TF card
- TPM/TCM encryption
- Preinstalled Ubuntu + NVIDIA JetPack SDK

ARM-based Products

Energy Storage Gateway

IVS-E68G

Rockchip RK3568J EMS Controller



- 10.1" LCD (1280×800)
- Rockchip RK3568J SoC (1.8GHz)
- 4x Cortex-A55 + Mali-G52 GPU + 1 TOPS NPU
- 4GB LPDDR4X + 64GB eMMC + SSD expansion
- I/O: 8x RS485, 2x RS232, 8x DI, 8x DO

- 4x Ethernet + WiFi/BT/4G expansion
- Docker support with industrial protocols
- **Power-loss protection**
- Industrial-grade wide-voltage/temperature design

JEA-E68G

Rockchip RK3568J EMS Gateway



- Rockchip RK3568J SoC (1.8GHz)
- 4x Cortex-A55 + Mali-G52 GPU + 1 TOPS NPU
- 4GB LPDDR4X + 64GB eMMC + SSD expansion
- I/O: 8x RS485, 2x RS232, 8x USB, 8x GPIO

- 4x Ethernet + WiFi/BT/4G expansion
- Docker support with industrial protocols
- **Power-loss protection**
- Industrial-grade wide-voltage/temperature design

JEA-E88A

Rockchip RK3588J EMS Gateway



- Rockchip RK3588J SoC (2.0GHz)
- 4x Cortex-A76 + 4x Cortex-A55 + Mali-G610 GPU
- 6 TOPS NPU + AI module expansion
- 8/16GB LPDDR4X + 64/128GB eMMC + SSD expansion

- I/O: 3x RS485, 2x RS232, 8x DI, 8x DO
- 5x Ethernet + WiFi/BT/5G/4G expansion
- Docker support with industrial protocols
- Industrial-grade wide-voltage/temperature design

ARM-based Products

Machine Vision Controller

EVC-2310

Rockchip RK3588 Machine Vision Controller



- Designed based on Rockchip RK3588 SoC
- Octa-core high-performance embedded processor with integrated 6 TOPS NPU
- Performs deep learning-based visual inspection without requiring additional graphics cards
- Supports up to 16GB of high-capacity memory with built-in 2.5-inch storage drive bay
- Supports 4 independent channels for I210AT Gigabit camera connectivity

- **Integrated 4-channel light source control output with trigger input**
- Integrated 16-bit optically isolated digital I/O (8 inputs, 8 outputs)
- Efficient fanless thermal design for silent and stable operation
- Wide voltage DC 9~36V power supply with overvoltage/undervoltage/reverse polarity protection

EVC-6101

NVIDIA Jetson AGX Orin High-Performance Machine Vision Controller



- NVIDIA Jetson AGX Orin High-Performance Module
- Ampere architecture GPU + Cortex-A78AE CPU
- Up to 64 GB of memory, 275 INT8 TOPS AI computing power
- Supports 6 Gigabit Ethernet ports (4 of which support PoE)
- Supports WiFi, Bluetooth, 4G/5G, and other wireless network extensions

- Supports CAN bus, RS232/485 serial ports, and 16-bit digital I/O
- Supports GPS positioning and TPM/TCM encryption modules
- Industrial-grade design with extruded aluminum housing and combined active/passive cooling
- Wide voltage supply range of DC 9~36V with overcurrent and overvoltage protection

Jetson Series

Based on the NVIDIA Jetson platform, JWIPC has launched a comprehensive lineup of commercial-grade, industrial-grade, and automotive-grade embodied intelligence controllers under the “Intelliengine” series.They provide powerful computing foundations and AI performance for service robots, autonomous mobile robots (AMRs), manipulators, robotic arms, and humanoid robots.



Funtion



Total weight

Optimize controller weight reduction to control overall machine weight and extend the robot's operational duration.



Electromagnetic interference

Prevent electromagnetic interference from internal components such as motors affecting the controller, ensuring stable operation of the equipment in complex electromagnetic environments.



Wireless communication

Through spread-spectrum technology, optimal antenna placement, and the integration of hardware-level signal filtering modules, stable wireless communication is ensured.



Communication delay

High-speed communication interface, maintaining stable communication with the cerebellum controller to ensure low latency.



Reinforcement for vibration resistance

Aviation connectors + automotive connectors + automotive BTB interfaces, providing reliable signal connections in high-vibration environments.



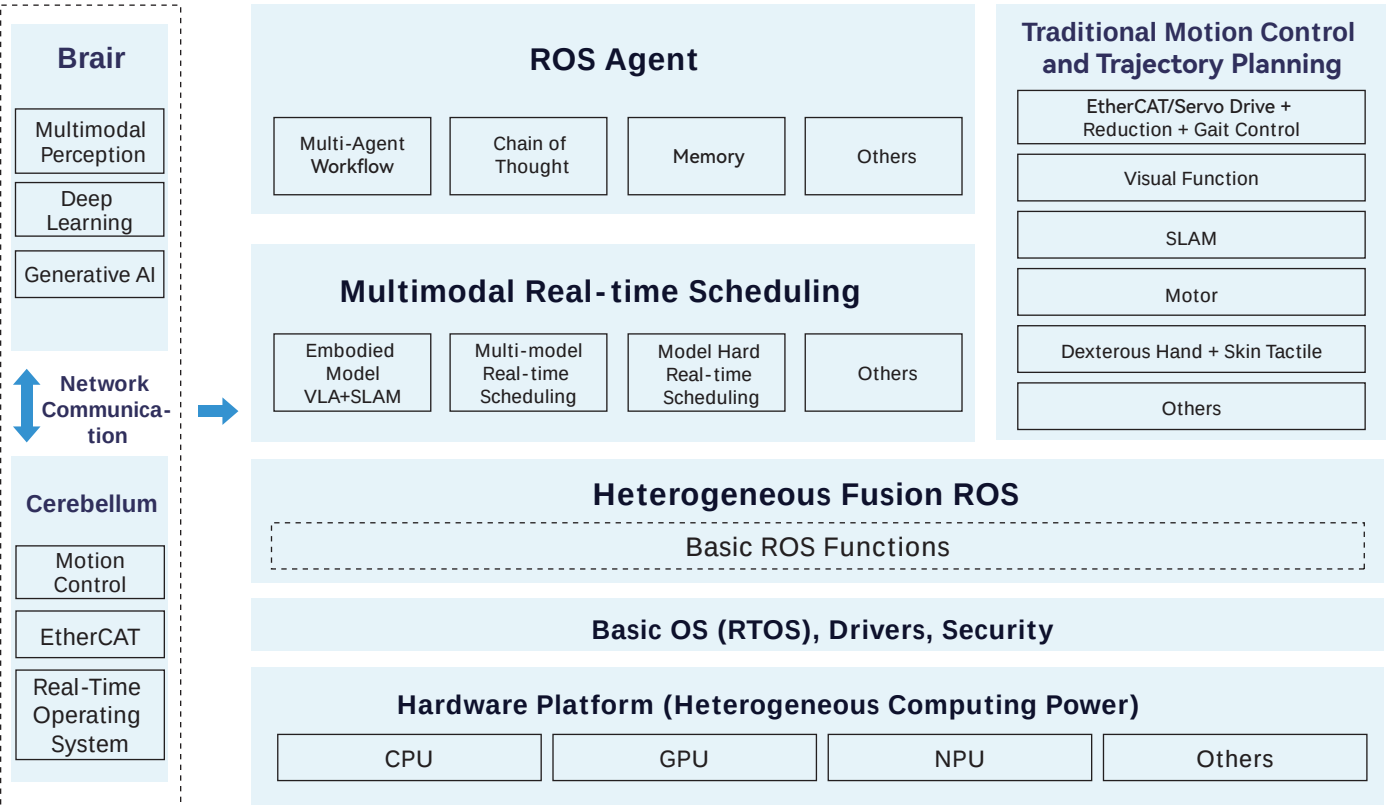
Total power consumption

Ultra-low power consumption,ensuring prolonged operation of embodied devices.

Application

Service Mobile Humanoid Type Industrial Category Slow-moving Vehicle Quadruped

Architecture



Embodied Intelligence V1.0

Embodied Intelligence V2.0

Jetson Series

Embodied Intelligent Controller

Intelliengine EII-6100 Brain Controller	• Jetson Orin Nano/NX Super module • Up to 16GB memory, 157 TOPS • 8x ARM Cortex-A78AE cores @ 2.0GHz • Dual GbE ports • WiFi/BT/4G/5G support • TPM 2.0 security • CAN bus & RS232/485 interfaces • Industrial-grade design • 9~36V wide-voltage DC input with over-current/voltage protection	Intelliengine EII-6100E Brain + Motion Controller	• Jetson Orin Nano/NX Super module • Up to 16GB memory, 157 TOPS • 8x ARM Cortex-A78AE cores @ 2.0GHz • 6x GbE ports (1x PoE+) • WiFi/BT/4G/5G/GNSS support • TPM 2.0 security • CAN bus & RS232/485 interfaces • Industrial-grade design • 9~36V wide-voltage DC input with over-current/voltage protection
Intelliengine EII-6101 Brain Controller	• Jetson Orin Nano/NX Super module • Up to 16GB memory, 157 TOPS • 8x ARM Cortex-A78AE cores @ 2.0GHz • Dual GbE ports • WiFi/BT/4G/5G support • TPM 2.0 security • CAN bus & RS232/485 interfaces • Automotive-grade design • 9~36V wide-voltage DC input with over-current/voltage protection	Intelliengine EII-6101E Brain + Motion Controller	• Jetson Orin Nano/NX Super module • Up to 16GB memory, 157 TOPS • 8x ARM Cortex-A78AE cores @ 2.0GHz • 6x GbE ports (1x PoE+) • WiFi/BT/4G/5G/GNSS support • TPM 2.0 security • CAN bus & RS232/485 interfaces • Automotive-grade design • 9~36V wide-voltage DC input with over-current/voltage protection
Intelliengine EII-6300 Brain Controller	• Jetson THOR module • Up to 128GB memory, 2070 TOPS • 14-core Arm® Neoverse®-V3AE 64-bit CPU • 5-port USB 3.2 • 1x GbE + 2x LAN (2.5G/5G/10G optional) • WiFi/BT/4G/5G support • TPM 2.0 security • Industrial-grade design • 9~36V wide-voltage DC input with over-current/voltage protection	Intelliengine EII-6300 Brain + Motion Controller	• Jetson THOR module • Up to 128GB memory, 2070 TOPS • 14-core Arm® Neoverse®-V3AE 64-bit CPU • 5x GbE + 2x LAN (2.5G/5G/10G optional) • 5-port USB 3.2 • WiFi/BT/4G/5G/GNSS support • TPM 2.0 security • CAN bus & RS232/485 interfaces • Industrial-grade design • 9~36V wide-voltage DC input with over-current/voltage protection
Intelliengine EII-6301 Brain Controller	• Jetson THOR module • Up to 128GB memory, 2070 TOPS • 14-core Arm® Neoverse®-V3AE 64-bit CPU • 5-port USB 3.2 • 1x GbE + 2x LAN (2.5G/5G/10G optional) • WiFi/BT/4G/5G support • TPM 2.0 security • Industrial-grade design • 9~36V wide-voltage DC input with over-current/voltage protection	Intelliengine EII-6301E Brain + Motion Controller	• Jetson THOR module • Up to 128GB memory, 2070 TOPS • 14-core Arm® Neoverse®-V3AE 64-bit CPU • 5x GbE + 2x LAN (2.5G/5G/10G optional) • 5-port USB3.2 • 2x Mini Fakra max (supports up to 8 GMSL2 CAM connections) • WiFi/BT/4G/5G/GNSS support • TPM 2.0 security • CAN bus & RS232/485 interfaces • Automotive-grade design • 9~36V wide-voltage DC input with over-current/voltage protection

Jetson Series

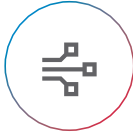
Industry Controller

PAS-6100 NVIDIA Jetson Orin	• Jetson Orin Nano/NX Super module • Up to 16GB memory, 157 TOPS • 8x ARM Cortex-A78AE cores @ 2.0GHz • Supports 4 USB 3.0 ports • Dual GbE ports • WiFi/BT/4G/5G support • TPM 2.0 security • CAN bus & RS232/485 interfaces • Industrial-grade design • 9~36V wide-voltage DC input with over-current/voltage protection	PAS-6100E NVIDIA Jetson Orin	• Jetson Orin Nano/NX Super module • Up to 16GB memory, 157 TOPS • 8x ARM Cortex-A78AE cores @ 2.0GHz • 6x GbE ports (1x PoE+) • Supports 4 USB 3.0 ports • WiFi/BT/4G/5G/GNSS support • TPM 2.0 security • CAN bus & RS232/485 interfaces • Industrial-grade design • 9~36V wide-voltage DC input with over-current/voltage protection
PAS-6300 NVIDIA Jetson THOR	• Jetson THOR module • Up to 128GB memory, 2070 TOPS • 14-core Arm® Neoverse®-V3AE 64-bit CPU • 1x GbE + 2x LAN (2.5G/5G/10G optional) • Supports 5 USB 3.2 ports • WiFi/BT/4G/5G support • TPM 2.0 security • Industrial-grade design • 9~36V wide-voltage DC input with over-current/voltage protection	PAS-6300E NVIDIA Jetson THOR	• Jetson THOR module • Up to 128GB memory, 2070 TOPS • 14-core Arm® Neoverse®-V3AE 64-bit CPU • 5x GbE + 2x LAN (2.5G/5G/10G optional) • Supports 5 USB 3.2 ports • 2*Mini Fakra ports (supporting up to 8 GMSL2 CAM connections) • WiFi/BT/4G/5G/GNSS support • TPM 2.0 security • CAN bus & RS232/485 interfaces • Industrial-grade design • 9~36V wide-voltage DC input with over-current/voltage protection
PAS-6101 NVIDIA Jetson AGX Orin High-Performance Machine Vision Controller	 • Jetson AGX Orin module • Up to 64GB VRAM • 12-core ARM Cortex-A78AE @ 2.2GHz • 6x GbE (4x PoE+) • WiFi/BT/4G/5G expansion • CAN/RS232/422/485 interfaces • TPM/TCM encryption & GPS • Aluminum extrusion chassis with hybrid cooling • Industrial-grade design • 9~36V wide-voltage DC input with over-current/voltage protection		
JEA-E608S NVIDIA Jetson Orin	 • Jetson Orin Nano/NX Super module • 34~157 TOPS AI performance, 7~40W TDP • Dual GbE ports • M.2 NVMe SSD expansion • WiFi/BT/4G/5G/LoRa expansion • TPM/TCM encryption • JetPack 5.1.2/6.0/6.2 support	JEA-E618S NVIDIA Jetson Orin	 • Jetson Orin Nano/NX Super module • 34~157 TOPS AI performance, 7~40W TDP • Dual GbE ports • M.2 NVMe SSD expansion • WiFi/BT/4G/5G/LoRa expansion • TPM/TCM encryption • JetPack 5.1.2/6.0/6.2 support
JEA-E6300 NVIDIA Jetson	• Jetson THOR module • Up to 128GB memory, 2070 TOPS • 14-core Arm® Neoverse®-V3AE 64-bit CPU • 1x GbE + 2x LAN (2.5G/5G/10G optional) • WiFi/BT/4G/5G support • TPM 2.0 security • Industrial-grade design • 9~36V wide-voltage DC input with over-current/voltage protection	PAS-6100-AGX NVIDIA Jetson AGX Orin High-Performance Universal AIBOX	 • Jetson THOR module • Up to 64GB VRAM • 12-core ARM Cortex-A78AE @ 2.2GHz • Dual GbE ports • WiFi/BT/4G/5G expansion • CAN/RS232/422/485 interfaces • TPM/TCM encryption & GPS • Aluminum extrusion chassis with hybrid cooling • Industrial-grade design • 9~36V wide-voltage DC input with over-current/voltage protection

PAC

Compact/Standard

JWIPC PAC Series product utilizes Intel Core/Atom processors, featuring diverse interface communication capabilities and flexible I/O expansion. It incorporates an artificial intelligence deep learning engine to enable intelligent computational analysis. This product integrates distributed data acquisition, motion control, process control, wireless transmission, and high-performance computing capabilities. It enables high-speed acquisition, transmission, control, and analysis applications for data from machine vision systems, servo drives, I/O acquisition devices, CNC equipment, robots, and other devices. It stands as one of the optimal low-cost, high-performance solutions for delivering diverse automation projects.



Flexible Expansion



Highly Integrated



Advanced Control



Cost Effective

Product Recommendation		
Compact	Standard	Modular
PAC-3020 N100	PAC-3010/3011 J6412	PAC-3030 J6412

PAC

Programmable Automation Controller

PAC-3010

- Intel J6412 SoC
- 1 memory slot supporting up to 32GB DDR4 SO-DIMM
- Supports HDMI independent display
- 2x Ethernet ports, 1x ECAT port
- DC IN 24V, built-in electrolytic capacitor,
- 250ms power loss protection**
- Supports LCD modules with MCU

- 2x USB 3.0, 2x USB 2.0
- 1x mSATA, 1x mPCIe
- 2x RS485, 1x RS232 (Phoenix connector, digitally isolated)
- Mainboard: 2DI & 2DO, Subcard: 16DI & 12DO (DI: optically isolated, compatible with NPN/PNP; DO: digitally isolated, NPN output)

PAC-3020

- Intel N100 SoC
- Onboard 8GB LPDDR5 memory
- Onboard 32GB eMMC storage
- Supports DisplayPort independent display
- DC IN 24V. Built-in electrolytic capacitor with **100ms power loss protection**

- 2xLAN, 1xECAT
- 2xUSB Type-A (USB 3.0), 1xUSB Type-C (USB 3.0), 1x M.2 2422 SATA/NVMe
- 2xRS485 (digitally isolated)

PAC-3030

- Intel J6412 SoC
- 1 memory slot supporting up to 32GB DDR4 SO-DIMM
- Dual display support via HDMI + DisplayPort
- 2x LAN ports, 1x ECAT port
- 2x USB 3.0 ports, 1x USB 2.0 port

- 1x mSATA, 1x mPCIe (mSATA compatible)
- 1x RS485, 1x RS232 (Phoenix connectors, digitally isolated)
- DC IN 24V, built-in supercapacitor, 1-second power loss retention

Industrial Tablet PC

Industrial Camera

Load

PAC

I/O Module

Ethercat

JWIPC Industrial Server Series offers a comprehensive portfolio of server motherboards, computing servers, storage solutions, AI servers, and workstations, providing hardware support for industry cloud deployment.



Experienced R&D Team



High-Performance Platform



Comprehensive Industry
Cloud Customization Services

Product Recommendation

AI Server	AI Server Motherboard

SYS-60413R-G4
4U Standard High-Performance GPU Server

- Based on the Intel® C621A chipset, supporting one Intel® Xeon® Scalable 3rd Generation processor and Intel® Xeon W-3300 Series processors;
- Features 8 DDR4 RDIMM memory slots (8 channels/CPU), supporting DDR4 ECC RDIMM/LRDIMM/3DS LRDIMM; maximum frequency 3200MHz, maximum capacity 2TB;
- Supports up to 2TB Intel® Optane™ Persistent Memory PMem 200 Series (Barlow Pass);
- Supports 4 PCIe 4.0 x16 and 3 PCIe 4.0 x8 expansion slots, accommodating up to 7 single-width or 4 dual-width full-height GPUs;
- Supports 2 M.2 PCIe 3.0 x2 / SATA 3.0 (2242/2280) slots, compatible with Intel VROC NVMe RAID Key;
- Supports 2x 2.5-inch and 2x 3.5-inch internal hard drives
- Optional RAID controller card supporting RAID 0/1/10/5/6/50/60/1E (optional RAID card cache protection module)
- Supports 4 x 2.5GbE Ethernet ports (Intel i225), 1 x Gigabit RJ45 IPMI dedicated management port, supporting IPMI 2.0, SOL, KVM Over IP, virtual media, device health monitoring, and other management features;
- Supports CRPS 1+1 redundant power supplies, optional 1600W/2000W/2700W, etc.;
- Supports ATX/ESP single power supply with optional 1700W/2000W/2600W models.

SYS-60413R-S08-G4
4U Standard High-Performance GPU Server

- Based on the Intel® C621A chipset, supporting one Intel® Xeon® Scalable 3rd Generation processor and Intel® Xeon W-3300 Series processors;
- Features 8 DDR4 RDIMM memory slots (8 channels/CPU), supporting DDR4 ECC RDIMM/LRDIMM/3DS LRDIMM; maximum frequency 3200MHz, maximum capacity 2TB;
- Supports up to 2TB Intel® Optane™ Persistent Memory PMem 200 Series (Barlow Pass);
- Supports 4 PCIe 4.0 x16 and 3 PCIe 4.0 x8 expansion slots, accommodating up to 4 dual-width full-height GPUs;
- Supports 2 M.2 PCIe 3.0 x2 / SATA 3.0 (2242/2280) slots, compatible with Intel VROC NVMe RAID Key;
- Supports 8 hot-swappable 3.5/2.5-inch drives and 2 internal 2.5-inch drives
- Optional RAID controller supporting RAID 0/1/10/5/6/50/60/1E, (optional RAID card cache protection module)
- Supports 4 x 2.5GbE Ethernet ports (Intel i225), 1 x Gigabit RJ45 IPMI dedicated management port, supporting IPMI 2.0, SOL, KVM Over IP, virtual media, device health monitoring, and other management features;
- Supports CRPS 1+1 redundant power supplies, optional 1600W/2000W/2700W, etc.

SYS-80415R-G10
4U Standard High-Performance GPU Server

- Based on the Intel® C741 high-performance server chipset, featuring 4th/5th generation Xeon® Scalable Series processors;
- Provides 32 DDR5 DIMM memory slots, supporting frequencies up to 5600MHz and a maximum capacity of 8TB 3DS RDIMM;
- Onboard: 20 MCIO PCIe 5.0 x8 slots (each configurable as 2 NVMe x4 lanes), supporting Intel VROC NVMe RAID key; 1 MCIO PCIe 4.0 x8 slot for flexible expansion;
- Supports 2 M.2 PCIe 3.0 x2 slots (2280/22110);
- Supports 12 hot-swappable 3.5/2.5-inch SAS/SATA storage bays, with optional support for 4 U.2 drives;
- OCP 3.0 modular I/O interface for expanding network ports, USB, IPMI management, VGA, COM, UID, etc.
- Onboard AST2600 BMC management chip supports hardware monitoring, enabling remote surveillance, system maintenance, and tracking of host power, voltage, temperature, fan status, and other hardware conditions;
- Supports 4 standard CRPS power supplies with efficient, economical, and secure power redundancy modes such as 2+2 or 3+1.

P10SRA

Intel Purley Single-Socket High-Performance Server Motherboard

- Based on the Intel® C621 chipset, supporting one Intel® Xeon® Scalable 1st/2nd Generation & W-32XX Series high-performance processor (Purley: Skylake/Cascade Lake);
- Features 8 DDR4 RDIMM memory slots (6 channels/CPU), supporting DDR4 ECC RDIMM/LRDIMM/3DS LRDIMM with maximum frequency of 2933MHz and maximum capacity of 2TB;
- Supports up to 1TB Intel® Optane™ Persistent Memory 100 Series (Apache Pass), exclusively compatible with 2nd Gen Cascade Lake Scalable processors;
- Supports 2 PCIe 3.0 x16 and 5 PCIe 3.0 x8 expansion slots for flexible scalability;
- Supports 1 M.2 PCIe 3.0 x4/SATA (2242/2280/22110);
- Supports Intel VROC NVMe RAID key; supports LPCTPM;
- Supports 8 SATA3 (6Gb/s) ports with RAID 0, 1, 5, 10 support;
- Supports 2 Gigabit Ethernet ports (Intel i210) and 1 Gigabit RJ45 IPMI dedicated management port.

P13SRA

Intel WHITLEY Single-Socket High-Performance Server Motherboard

- Based on the Intel® C621A chipset, supporting Intel® Xeon® Scalable 3rd Generation processors and Intel® Xeon W-3300 Series processors;
- Features 8 DDR4 RDIMM memory slots (8 channels/CPU), supporting DDR4 ECC RDIMMs; maximum supported frequency 3200MHz, maximum supported capacity 2TB;
- Supports up to 2TB Intel® Optane™ Persistent Memory PMem 200 Series (Barlow Pass);
- Features 4 PCIe 4.0 x16 and 3 PCIe 4.0 x8 expansion slots for flexible scalability;
- Supports 2 M.2 PCIe 3.0 x4 / SATA 3.0 (2242/2280) slots, compatible with Intel VROC NVMe RAID Key;
- Supports 10 SATA3 (6Gb/s) ports with RAID 0, 1, 5, 10 configurations;
- Features 4 x 2.5GbE Ethernet ports (Intel I225) and 1 x Gigabit RJ45 IPMI management port;
- Supports IPMI 2.0, SOL, KVM Over IP, Virtual Media, and device health monitoring management features.

P13SWM-BMC

Entry-Level Server Motherboard

- Based on the Intel® high-performance workstation W680 chipset, supports Intel 12th/13th Gen processors;
- Provides 4 DDR5 UDIMM memory slots with a maximum supported memory capacity of 128GB;
- Supports 1 standard PCIe 5.0 x16 (x16 slot), 2 standard PCIe 4.0 x4 (x8 slots), and 1 standard PCIe 3.0 x4 (x4 slot);
- Supports 8 hard drives with storage type supporting 6G SATAIII;
- Supports 2 Intel® 2.5G network interfaces and 1 dedicated network management port;
- Supports USB 3.0 for high-speed data backup to portable storage devices;
- Supports IPMI and hardware monitoring, enabling remote monitoring of power supply, voltage, temperature, fan status, and other hardware operating conditions.

P15SWA-BMC

Single-Socket High-Performance Server Motherboard

- Based on the Intel® high-performance workstation W790 chipset, featuring Sapphire Rapids Series W2400 Processor (64L) and W3400 Processor (112L);
- Provides 8 DDR5 RDIMM memory slots, supporting up to 2TB ECC RDIMM memory;
- Supports 3 PCIe 4.0 x8, 3 PCIe 5.0 x16, and 1 PCIe 4.0 x16 expansion slots;
- Supports 8 hard drives with 6G SATAIII storage interface;
- Includes 2 Intel® 2.5G network interfaces and 1 dedicated network management port;
- Features USB 3.0 for high-speed data backup to portable storage devices;
- Supports IPMI and hardware monitoring for remote supervision of power supply, voltage, temperature, fan status, and other hardware operating conditions.