



JEC Universal Type Industrial BOX PC

- 1. Customized selection of I/O interfaces to meet diverse needs
- 2. High expandability, flexible expansion
- 3. Fanless design, efficient heat dissipation, effectively applicable to applications, such as industrial automation, visual inspection, intelligent transportation, machine Vision, medical equipment, and other areas



JET Ultra-thin Type Industrial BOX PC

- 1. Various interfaces to meet diverse needs
- 2. Fanless, compact, thin design
- 3. Assurance of product quality
- 4. Different installation options including desktop, din-rail, and VESA mount installation, suitable for various application scenarios.



JMC Expandable Type Industrial BOX PC

The JMC 7310 Series are designed to meet diverse configuration demands. The foundational layer consist of a compact, fanless embedded industrial computer, making it suitable for a wide range of applications, such as industrial automation, data acquisition, motion control, optical inspection, logistics and warehousing, intelligent sorting, smart transportation, energy, robotics, and other areas.



PAS Rail Type Industrial BOX PC

JWIPC PAS Series are based on the Intel Alder Lake-S platform or NVIDIA ORIN Module, which are all Din-rail controller designed for automation control and machine vision industry applications. These products equipped with GbE LAN, multiple serial port, and USB port for various areas, such as factory automation, transportation, embedded & industrial applications, machine vision, etc.



Being Smart, Being Intelligent



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JWIPC Industrial BOX PC
















Robust Industrial Design



Compact and Highly Expandable



Multiple Types to Meet Different Application Scenarios

													
Model	JEC-3010	JEC-2701	JET-3020	JET-5310	JMC-7310	JMC-7311	JMC-7312	JMC-7313	JMC-7314	JMC-7300E1	PAS-7511	PAS-7512	PAS-7513
CPU													
Processor	J6413	6/7/8/9th Gen. i3/i5/i7/i9/G embedded T-series 35W CPU	J6412	6305E / i3-1115G4E / i5-1145G7E/ i7-1185G7E	Intel®10&11th Core™i3/i5/i7/i9 Pentium®/Celeron®/Xeon® Processor	Intel®10&11th Core™i3/i5/i7/i9 Pentium®/Celeron®/Xeon® Processor	Intel®10&11th Core™i3/i5/i7/i9 Pentium®/Celeron®/Xeon® Processor	Intel®10&11th Core™i3/i5/i7/i9 Pentium®/Celeron®/Xeon® Processor	Intel®10&11th Core™i3/i5/i7/i9 Pentium®/Celeron®/Xeon® Processor	Intel®10&11th Core™i3/i5/i7/i9 Pentium®/Celeron®/Xeon® Processor	Intel®12&13th i9/i7/i5/i3/G	Intel®12&13th i9/i7/i5/i3/G	Intel®12&13th i9/i7/i5/i3/G
Chipset	Intel Elkhart Lake SOC	H110/C236	Intel Elkhart Lake SOC	Intel Tiger Lake U SOC	W480E/H420E (H420E no support Xeon CPU)	W480E/H420E (H420E no support Xeon CPU)	W480E/H420E (H420E no support Xeon CPU)	W480E/H420E (H420E no support Xeon CPU)	W480E	W480E/H420E (H420E no support Xeon CPU)	H610	H610	H610
Memory													
Slot	1 * DDR4 SODIMM slot	2 * DDR4 SODIMM slot	1 * DDR4 SODIMM slot	1 * DDR4 SODIMM slot	2 x 260-Pin DDR4 SODIMM (W480E SKU support ECC)	2 x 260-Pin DDR4 SODIMM (W480E SKU support ECC)	2 x 260-Pin DDR4 SODIMM (W480E SKU support ECC)	2 x 260-Pin DDR4 SODIMM (W480E SKU support ECC)	2 x 260-Pin DDR4 SODIMM (support ECC)	2 x 260-Pin DDR4 SODIMM (W480E SKU support ECC)	2 x DDR5 SODIMM	2 x DDR5 SODIMM	2 x DDR5 SODIMM
Max. capacity	32GB	32GB	max 32GB	max 32GB	64GB	64GB	64GB	64GB	64GB	64GB	64GB	64GB	64GB
Frequency	Max DDR4-3200	DDR4-2133/2400/2666	up to DDR4-3200	up to DDR4-3200	2933/2666 MHz	2933/2666 MHz	2933/2666 MHz	2933/2666 MHz	2933/2666 MHz	2933/2666 MHz	4800 MHz	4800 MHz	4800 MHz
Storage													
SATA/M.2/mSATA	1 * SATA3.0; 1 * M.2 Key-M 2242/2280 (SATA)	2 * SATA3.0; 1 * mSATA; 1 * M.2 2242/2280(SATA signal, C236 support nVMeX4)	1 * M.2 2280 Key-M (SATA3.0) 1 * 2.5" HDD/SSD SATA3.0 + PWR	1 * M.2 2280 Key-M (SATA/nVME) 1 * 2.5" HDD/SSD SATA3.0 + PWR	W480E: 4/0/1 H420E: 3/0/1	W480E: 4/0/1 H420E: 3/0/1	W480E: 4/0/1 H420E: 3/0/1	W480E: 4/0/1 H420E: 3/0/1	W480E: 4/0/1	W480E: 4/0/1 H420E: 3/0/1	0/2/0	0/2/0	0/2/0
Display													
VGA/DVI-D/HDMI/DP	HDMI + DP	VGA/DVI-D/HDMI	HDMI + DP	HDMI + DP	VGA + HDMI + 2nd HDMI/DVI-D/DP	VGA + HDMI + 2nd HDMI/DVI-D/DP	VGA + HDMI + 2nd HDMI/DVI-D/DP	VGA + HDMI + 2nd HDMI/DVI-D/DP	VGA + HDMI + 2nd HDMI/DVI-D/DP	VGA + HDMI + 2nd HDMI/DVI-D/DP	0/0/1/1	0/0/1/1	0/0/1/1
LVDS/eDP/DDI	-	eDP or LVDS	-	-	-	-	-	-	-	-	-	-	-
Network													
Network IC	2 * i226v	1 * i219-v, 3 * i210AT	Intel i210AT, Intel i226-V	Intel i210AT, Intel i226-V	1 x i219LM, 1 x i210-AT	1 x i219LM, 1 x i210-AT	1 x i219LM, 1 x i210-AT	1 x i219LM, 1 x i210-AT	1 x i219LM, 1 x i210-AT	1 x i219LM, 1 x i210-AT	1 x i219-V, 2 x i226-V, 1 x i210-AT	1 x i219-V, 2 x i226-V, 1 x i210-AT	1 x i219-V, 2 x i226-V, 1 x i210-AT
I/O													
USB	3 * USB3.0, 1 * USB2.0	4 * USB3.0, 4 * USB2.0	4 * USB3.2, 2 * USB2.0	4 * USB3.2, 2 * USB2.0	8	8	8	8	8	8	6	6	14
COM	4 * RS232/422/485	2 * RS232/422/485, 4 * RS232	2 * RS232/422/485	2 * RS232/422/485	2(up to 6, Option via pin header)	2(up to 6, Option via pin header)	2(up to 6, Option via pin header)	2(up to 6, Option via pin header)	2(up to 6, Option via pin header)	2(up to 6, Option via pin header)	6	4	4
LPT	-	-	-	-	-	-	-	-	-	-	-	-	-
LAN	2 * RJ45 2.5Gb	4 * RJ45 1Gb	4 * RJ45	4 * RJ45	2(up to 6, Via BTB LAN module)	2(up to 6, Via BTB LAN module)	2(up to 6, Via BTB LAN module)	2(up to 6, Via BTB LAN module)	2(up to 6, Via BTB LAN module)	2(up to 6, Via BTB LAN module)	4	6	4
GPIO	-	8bit GPIO	8 bit digital I/O	8 bit digital I/O	Optional	Optional	Optional	Optional	Optional	Optional	16 bit digital I/O	16 bit digital I/O	16 bit digital I/O
Audio	Mic-in + Line-out	Mic-in + Line-out + Audio-out	Mic-in + Line-out	Mic-in + Line-out	Mic-in + Line-out	Mic-in + Line-out	Mic-in + Line-out	Mic-in + Line-out	Mic-in + Line-out	Mic-in + Line-out	Mic-in + Line-out	Mic-in + Line-out	-
PS2	-	KB, MS	N/A	N/A	Optional	Optional	Optional	Optional	Optional	Optional	-	-	-
Other	-	-	N/A	N/A	-	-	-	-	-	-	2 x CAN	1 x CAN	2 x CAN
Expansion Slot													
PCI	-	-	N/A	N/A	-	-	-	-	-	-	-	-	-
PCIe	-	Motherboard reserves 1 * PCIe16, 1 * PCIe4	N/A	N/A	-	1PCIex16	2PCI /1PCIex16 +1PCI /1PCIex16 + 1PCIex4(optional)	1PCIex16 + 2PCI	1PCIex16 + 2PCI + 1PCIex4	1PCIex16 + 1PCIex4	-	-	-
mini-PCIe	-	1 * Mini-PCIe	N/A	N/A	W480E: 2 (1 compatible with mSATA) H420E: 1	W480E: 2 (1 compatible with mSATA) H420E: 1	W480E: 2 (1 compatible with mSATA) H420E: 1	W480E: 2 (1 compatible with mSATA) H420E: 1	W480E: 2 (1 compatible with mSATA)	W480E: 2 (1 compatible with mSATA) H420E: 1	-	-	-
eSPI/LPC/SM BUS/I2C	1 * SM Bus	1 * SM Bus, 1 * LPC	1 * I2C	1 * I2C	0/1/1/1	0/1/1/1	0/1/1/1	0/1/1/1	0/1/1/1	0/1/1/1	-	-	-
Other	1 * M.2 Key-B 3042/3052 support 4G/5G module (USB3+PCIe x1)	1 * M.2 B-Key 3042/3052 support 4G/5G(USB3 + PCIex1)	1 * CANBus 2.0	1 * CANBus 2.0	-	-	-	-	-	-	1 x M.2 Key-E 2230 1 x M.2 3052/3042(4G/5G)	1 x M.2 Key-E 2230 1 x M.2 3052/3042(4G/5G)	1 x M.2 3052/3042(4G/5G)
Power Supply													
Power input	10~30V DC	12~30V DC	12~36V DC	12~36V DC	9~36V DC	9~36V DC	9~36V DC	9~36V DC	9~36V DC	24V DC	24V DC	24V DC	24V DC
Software													
BIOS	AMI UEFI/Legacy BIOS	AMI UEFI/Legacy BIOS	AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
Windows/Linux	Win10/11 x64, Linux Ubuntu 20.04, CentOS 8	Win7 x64, Win10 x64, Linux Ubuntu 18.04	Win10 x64, Win11 x64, Linux Ubuntu 21.04	Win10 x64, Win11 x64, Linux Ubuntu 21.04	Win 10(64 bit), Linux OS, Ubuntu 20.04	Win 10(64 bit), Linux OS, Ubuntu 20.04	Win 10(64 bit), Linux OS, Ubuntu 20.04	Win 10(64 bit), Linux OS, Ubuntu 20.04	Win 10(64 bit), Linux OS, Ubuntu 20.04	Win 10(64 bit), Linux OS, Ubuntu 20.04	Win 10(64 bit), Win 11(64 bit) Linux OS, Ubuntu 21.04	Win 10(64 bit), Win 11(64 bit) Linux OS, Ubuntu 21.04	Win 10(64 bit), Win 11(64 bit) Linux OS, Ubuntu 21.04
Other													
Watch dog	1-255 sec/min	1-255 sec/min	1-255 sec/min	1-255 sec/min	1-255 sec/min	1-255 sec/min	1-255 sec/min	1-255 sec/min	1-255 sec/min	1-255 sec/min	1-255 sec/min	1-255 sec/min	1-255 sec/min
TPM	TPM2.0	-	TPM2.0	TPM2.0	Optional	Optional	Optional	Optional	Optional	Optional	TPM2.0	TPM2.0	TPM2.0
Environment/Dimension													
Temperature & Humidity	-10°C~60°C, 10% ~ 85%	-10°C~60°C, 10% ~ 85%	-10°C~60°C, 0% ~ 90%	-10°C~60°C, 0% ~ 90%	65W: -10°C~50°C, 35W: -10°C~60°C, 95%@40°C	65W: -10°C~50°C, 35W: -10°C~60°C, 95%@40°C	65W: -10°C~50°C, 35W: -10°C~60°C, 95%@40°C	65W: -10°C~50°C, 35W: -10°C~60°C, 95%@40°C	65W: -10°C~50°C, 35W: -10°C~60°C, 95%@40°C	65W: -10°C~50°C, 35W: -10°C~60°C, 95%@40°C	-40°C~55°C, 0%~90%	-40°C~55°C, 0%~90%	-40°C~55°C, 0%~90%
L×W×H(mm)	150mm(L) x 107mm(W) x 41.1mm(H)	257mm(L) x 191mm(W) x 79mm(H)	200mm(L) x 140mm(W) x 40mm(H)	200mm(L) x 140mm(W) x 40mm(H)	192mm(L) x 230mm(W) x 88mm(H)	192mm(L) x 230mm(W) x 118mm(H)	192mm(L) x 230mm(W) x 138mm(H)	192mm(L) x 230mm(W) x 158mm(H)	192mm(L) x 230mm(W) x 178mm(H)	385mm(L) x 192mm(W) x 223mm(H)	230mm(L) x 165mm(W) x 71.5mm(H)	230mm(L) x 165mm(W) x 71.5mm(H)	230mm(L) x 165mm(W) x 71.5mm(H)