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CREATING A SMARTER WORLD

JWIPC Technology Co.,Ltd

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PAS Series
DIN Rail Industrial BOX PC

Multiplatform Available
INTEL Core/NVIDIA Jetson

Customization Service
Allows Customization of Additional Expansion Cards

Fin Heat Sink Design
Larger Surface Area, Faster Heat Dissipation

Multiple mounting option
DIN rail, Desktop, and Wall mounting

PAS DIN Rail Industrial BOX PC

PAS BOX PC		PAS-7510F	PAS-7511	PAS-7512	PAS-7513
Image					
CPU	Processor	Intel®12&13th i9/i7/i5/i3/G Series CPU	Intel ®12&13th i9/i7/i5/i3/G Series CPU	Intel ®12&13th i9/i7/i5/i3/G Series CPU	Intel ®12&13th i9/i7/i5/i3/G Series CPU
	Chipset	H610	H610	H610	H610
Memory	Type	2x DDR5 SODIMM	2x DDR5 SODIMM	2x DDR5 SODIMM	2x DDR5 SODIMM
	Capacity	64GB	64GB	64GB	64GB
	Frequency	4800 MHz	4800 MHz	4800 MHz	4800 MHz
Storage	SATA/M.2/mSATA	0/1/0	0/2/0	0/1/0	0/2/0
Display	VGA/DVI-D/ HDMI/DP	0/0/1/1	0/0/1/1	0/0/1/1	0/0/1/1
	LVDS/eDP/DDI	-	-	-	-
Network	IC	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	1 x i219-V, 2 x i226-V, 1 x i210-AT
I/O	USB	6	6	6	14
	COM	2	6	4	4
	LPT	-	-	-	-
	LAN	4	4	6	4
	GPIO	-	16-bit digital I/O with opto-isolation	16-bit digital I/O with opto-isolation	16-bit digital I/O with opto-isolation
	Audio	-	Mic-in + Line-out	Mic-in + Line-out	-
	PS2	-	-	-	-
	Other	1 x CAN	2 x CAN	1 x CAN	1 x CAN
Expansion Slot		1xM.2 3052/3042(4G/5G)	1xM.2 Key-E 2230, 1xM.2 3052/3042(4G/5G)	1xM.2 Key-E 2230, 1xM.2 3052/3042(4G/5G)	1xM.2 3052/3042(4G/5G)
Other	Watch dog	1~255sec/min	1~255sec/min	1~255sec/min	1~255sec/min
	TPM	Support TPM2.0	Support TPM2.0	Support TPM2.0	Support TPM2.0
Power	Input	DC 24V	DC 24V	DC 24V	DC 24V
Software	BIOS	AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS	AMI UEFI BIOS
OS	Windows/Linux	Win 10(64 bit), Win 11(64 bit) Linux OS Ubuntu 21.04 and above	Win 10(64 bit), Win 11(64 bit) Linux OS, Ubuntu 21.04 and above	Win 10(64 bit), Win 11(64 bit) Linux OS, Ubuntu 21.04 and above	Win 10(64 bit), Win 11(64 bit) Linux OS, Ubuntu 21.04 and above
Environment	Temperature & Humidity	-40℃~55℃(with airflow) 0%~90%，non-condensing	-40℃~55℃（with airflow) 0%~90%，non-condensing	-40℃~55℃（with airflow) 0%~90%，non-condensing	-40℃~55℃（with airflow) 0%~90%，non-condensing
Dimension	W*H*D	71.5 x 230 x 165mm	71.5 x 230 x 165 mm	71.5 x 230 x 165 mm	71.5 x 230 x 165 mm

High-performance ARM edge AI BOX PC

PAS BOX PC		PAS-6100	PAS-6101	PAS-6102	PAS-6103
Image					
Core Module		NVIDIA Jetson AGX Orin, 200/275 TOPS (INT8) AI Cumputing	NVIDIA Jetson AGX Orin, 200/275 TOPS (INT8) AI Cumputing	NVIDIA Jetson AGX Orin, 200/275 TOPS (INT8) AI Cumputing	NVIDIA Jetson AGX Orin, 200/275 TOPS (INT8) AI Cumputing
TDP		15~60W	15~60W	15~60W	15~60W
CPU		8/12 x Cortex-A78AE up to 2.2GHz	8/12 x Cortex-A78AE up to 2.2GHz	8/12 x Cortex-A78AE up to 2.2GHz	8/12 x Cortex-A78AE up to 2.2GHz
GPU		NVIDIA Ampere GPU up to 930MHz/1.3GHz, 512/1024 CUDA cores, 56/64 Tensor cores	NVIDIA Ampere GPU up to 930MHz/1.3GHz, 512/1024 CUDA cores, 56/64 Tensor cores	NVIDIA Ampere GPU up to 930MHz/1.3GHz, 512/1024 CUDA cores, 56/64 Tensor cores	NVIDIA Ampere GPU up to 930MHz/1.3GHz, 512/1024 CUDA cores, 56/64 Tensor cores
Memory		32/64GB LPDDR5	32/64GB LPDDR5	32/64GB LPDDR5	32/64GB LPDDR5
Storage		64GB eMMC	64GB eMMC	64GB eMMC	64GB eMMC
Network	LAN	2 x RJ45 10/100/1000M	2 x RJ45 10/100/1000M 4 x RJ45 10/100/1000M POE	2 x RJ45 10/100/1000M 2 x M12 10/100/1000M	2 x RJ45 10/100/1000M 4 x RJ45 10/100/1000M POE
	Wireless	1 x M.2 Key E for WiFi/BT 1 x M.2 Key B for 4G/5G	1 x M.2 Key E for WiFi/BT, 1 x M.2 Key B for 4G/5G	1 x M.2 Key E for WiFi/BT, 1 x M.2 Key B for 4G/5G	1 x M.2 Key E for WiFi/BT, 1 x M.2 Key B for 4G/5G
Expan-sion Slot	SSD/AI	1 x M.2 Key M for NVMe SSD	1 x M.2 Key M for NVMe SSD	1 x M.2 Key M for NVMe SSD	1 x M.2 Key M for NVMe SSD, 1 x 2.5" SATA SSD/HDD
	TF/SIM	1 x TF Card, 1 x Micro SIM Card	1 x TF Card, 1 x Micro SIM Card	1 x TF Card, 1 x Micro SIM Card	1 x TF Card, 1 x Micro SIM Card
Multi -Media	HDMI	1 x HDMI 2.1	1 x HDMI 2.1	1 x HDMI 2.1	1 x HDMI 2.1
	Camera	-	-	8 x GMSL	-
	Audio	1 x 3.5mm Combo Jack	1 x 3.5mm Line out	1 x 3.5mm Line out	1 x 3.5mm Line out
I/O	USB	4 x USB 3.0	4 x USB 3.0	4 x USB 3.0	4 x USB 3.0
	COM	1 x 12-pin RS232+RS485+CAN Opto-isolation	1 x 12-pin RS232+RS485+CAN Opto-isolation 1 x 12-pin RS232+RS422+RS485 Opto-isolation 1x RJ45 CAN Digital isolation	1 x 12-pin RS232+RS485+CAN Opto-isolation 1 x M12 CAN Digital isolation	1 x 12-pin RS232+RS485+CAN Opto-isolation 1 x 12-pin RS232+RS422+RS485 Opto-isolation
	CAN				
	GPIO	16	16	-	32
	Antenna	4	4	4	4
	Indicator LED	4	4	4	4
IMU/GPS		Support GPS	Support GPS	Support GPS	Support GPS
TPM/TCM		Support TCM/TPM 2.0	Support TCM/TPM 2.0	Support TCM/TPM 2.0	Support TCM/TPM 2.0
Power		9~36V DC-IN	9~36V DC IN	9~36V DC IN	9~36V DC IN
Dimension		230 (L) x 165 (W) x 71.5 (H) mm	230 (L) x 165 (W) x 91.5 (H) mm	230 (L) x 165 (W) x 91.5 (H) mm	230 (L) x 165 (W) x 91.5 (H) mm
Mounting Method		DIN rail, Desktop, and Wall mounting	DIN rail, Desktop, and Wall	DIN rail, Desktop, and Wall mounting	DIN rail, Desktop, and Wall mounting
OS		Linux Ubuntu OS + JetPack SDK	Linux Ubuntu OS + JetPack SDK	Linux Ubuntu OS + JetPack SDK	Linux Ubuntu OS + JetPack SDK
Working Temperature & Humidity		-20~60℃, 10%~95% RH	-20~60℃, 10%~95% RH	-20~60℃, 10%~95% RH	-20~60℃, 10%~95% RH
Storage Temperature & Humidity		-40~80℃, 5%~95% RH	-40~80℃, 5%~95% RH	-40~80℃, 5%~95% RH	-40~80℃, 5%~95% RH