

# PAS-7511

## Intel® Alder Lake-S Machine Vision Control System



HARDWARE SOLUTIONS S.R.L.  
Via Ghiarola Vecchia 32  
Fiorano Modenese, 41042 (MO)  
info@hardwaresolutions.it  
sales@hardwaresolutions.it  
www.hardwaresolutions.it

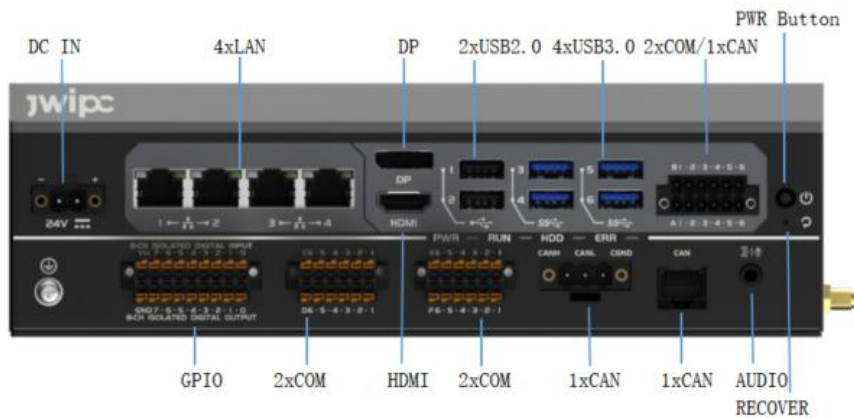


### Features

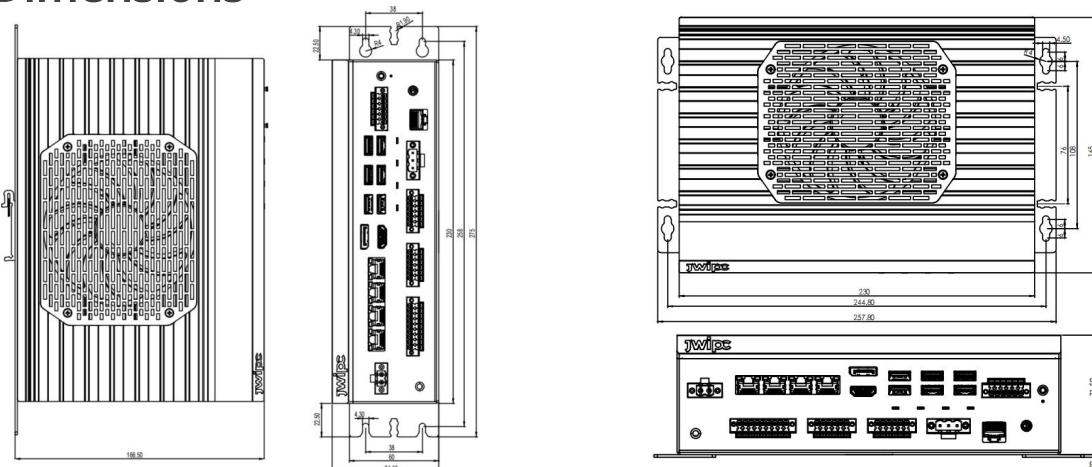
- LGA1700 Gen12th&13th Intel® Core™ i9/i7/i5/i3/G Processor, TDP 65W
- 2 x SO-DIMM DDR5 Memory, max 64GB
- Onboard HDMI and DP display interface
- 4 x USB3.0, 2 x USB2.0
- 2 x RS485/232, 4 x 485/422/232(with isolation)
- 4 x Independent GbE LAN, 2 x CAN bus
- 16 bit digital I/O (8 inputs, 8 outputs)
- 24V DC IN



### Product View



### Dimensions



System	Processor	LGA1700 Gen12th&13th Intel® Core™ i9/i7/i5/i3/G Processor,TDP 65W
	Chipset	H610
	BIOS	AMI UEFI BIOS
	SIO	Intel CPU integrated Gen.12 Graphics Engines
	Memory	2xDDR5 4800MHz SO-DIMM, up to 64GB
	OS	Windows10, Windows11, Linux, Ubuntu 21.04
I/O interface	USB	4xUSB 3.0, 2xUSB 2.0
	Serial	MB: 2xRS485/232 (Integrated with CAN on the 12Pin Phoenix terminal) IO Card: 4xRS232/485/422 (with isolation)
	CAN bus	2 (12Pin Phoenix terminal/RJ50/3Pin Connector)
	GPIO	16 bit digital I/O (8 inputs, 8 outputs), With isolation
	LED	1xPWR,1xRUN,1xHDD,1xERR
Expansion	M.2	MB: 1xM.2 Key B Socket (3042/3052) support 4G/5G IO Card: 1xM.2 Key-E 2230, support Wifi&BT
Graphics	Graphics Processor	Intel®UHD Graphics 730-770
	Interface	1xDP, Up to 3840 x 2160 @60Hz 1xHDMI, Up to 4096 x 2160 @60Hz
Storage	Storage Device	2xM.2 Key M Socket (2242/2280,NVME)
Audio	Audio IC	Realtek ALC897
	Audio Interface	2 in 1 (Mic-in,Line-out)
Ethernet	LAN	4x Intel GbE LAN ( 1xi219V, 2xi226V, 1xi210AT )
	Interface	4xRJ45
Power	Power Input	24V, DC-in
	Power Interface	2-Pole Phoenix DC plug in
Others	Watchdog Timer	1 to 255 sec./min. per step
	TPM	Infineon SLB9670 supports TPM 2.0
Mechanical	Dimensions	230mm(L)×165mm(W)×71.5mm(H)
	Weight	4.68KG
	Mounting	Desk/Wall-mounting, Din rail mounting
Environment	Operating Temp.	-40°C~55°C
	Storage Temp.	-40°C~85°C
	Humidity	0~90% Humidity, non-condensing
	Shock	With SSD: 15G, IEC 60068-2-27, half sine, 11ms duration
	Vibration	With SSD:2Grms, IEC 60068-2-64, random, 5~500Hz, 1 hr/axis

Model	PCH	Display	DIMM	LAN	USB3.0	USB2.0	COM	M.2
PAS-7511	H610	2	2	4	4	2	6	2

## ■ Packing List

Part Number	Description	Quantity
PAS-7511	PAS-7511 barebone system	1
300600013312	Adapter,180W,AC100~240V,24V DC in	1
301800000912	Power cord	1
302300018249	Wall mounting bracket	1
302300018251	Desk mounting bracket	2
302300000937	DIN rail kit	1
301700006521	Phoenix terminal, 2x6Pin	3
301700006523	Phoenix terminal, 2x9Pin	1
301700009937	Phoenix terminal, 3Pin	1