

# PAS-7511

Fanless Embedded BOX PC



Front View



Lateral View



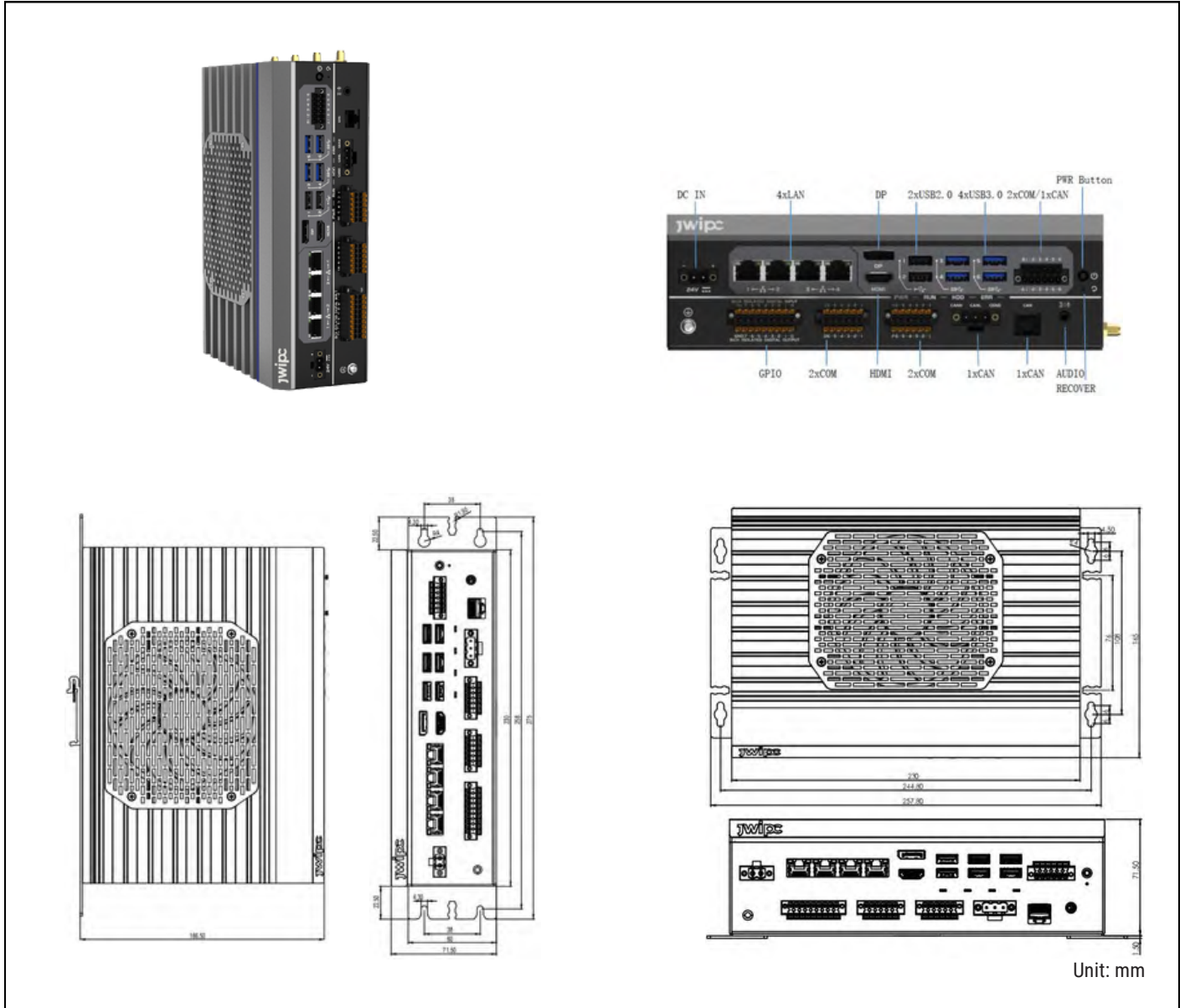
## Specifications

MODEL NAME	PAS-7511
<b>SYSTEM</b>	
<b>CPU</b>	Intel® Core® 12 <sup>th</sup> /13 <sup>th</sup> Gen. i3 / i5 / i7 / i9 / G,TDP 65W
<b>CHIPSET</b>	Intel® H610
<b>SYSTEM MEMORY</b>	2x DDR5 4800MHz SO-DIMM, up to 64GB
<b>BIOS</b>	AMI UEFI BIOS
<b>GRAPHICS PROCESSOR</b>	Intel® UHD Graphics 730-770
<b>TPM</b>	TPM2.0, Onboard encryption chip SLB9670
<b>WATCHDOG</b>	Programmable 255 levels timer interval, from 1 to 255 sec
<b>I/O INTERFACE</b>	
<b>USB</b>	4x USB 3.0, 2x USB 2.0
<b>SERIAL</b>	Mainboard: 2x RS485/232 (integrated with CAN on a 12-pin Phoenix terminal) I/O card: 4x RS232/485/422 (Design of Magnetic isolation)
<b>VIDEO</b>	1x DP, up to 4096 x 2160 @60Hz 1x HDMI, up to 4096 x 2160 @24Hz
<b>AUDIO</b>	2x Audio (1x Mic-In, 1x Line-Out), Realtek ALC897
<b>ETHERNET</b>	4x Intel GbE LAN (1x i219V, 2x i226V, 1x i210AT)
<b>OTHERS</b>	2x CAN bus (12-pin Phoenix terminal/RJ50/3-pin connector, choose two out of three)
<b>GPIO</b>	Optocoupler isolation 16 bit digital I/O (8 inputs, 8 outputs)
<b>LED INDICATORS</b>	1x PWR, 1x RUN, 1x HDD, 1x ERR
<b>STORAGE</b>	
<b>STORAGE DEVICE</b>	2x M.2 Key M Socket (2242/2280, NVME)
<b>EXPANSION</b>	
<b>M.2</b>	Mainboard: 1xM.2 Key B Socket (3042/3052) support 4G/5G I/O card:1x M.2 Key-E 2230 slot, supporting half-length WiFi module, supporting BT
<b>SUPPORTED OPERATING SYSTEMS</b>	
<b>OS SUPPORT</b>	Windows® 10/11 Linux Ubuntu 21.04
<b>POWER</b>	
<b>POWER INPUT</b>	24V, DC-In
<b>POWER INTERFACE</b>	2Pin Phoenix Terminal
<b>MECHANICAL</b>	
<b>MOUNTING</b>	Desk/Wall-mounting, Din rail mounting
<b>DIMENSIONS</b>	230 × 165 × 71.5 mm
<b>WEIGHT</b>	4.68 Kg
<b>ENVIRONMENTAL</b>	
<b>OPERATING TEMPERATURE</b>	-40~55°C w/ 0.7m/s airflow
<b>STORAGE TEMPERATURE</b>	-40°C~85°C
<b>STORAGE HUMIDITY</b>	0~90% Humidity, non-condensing
<b>VIBRATION</b>	With SSD: 2Grms, IEC 60068-2-64, random, 5~500Hz, 1 hr/axis
<b>SHOCK</b>	With SSD: 15G, IEC 60068-2-27, half sine, 11ms duration
<b>CERTIFICATIONS</b>	CE / CCC

## Features

- LGA1700 12th & 13th Gen Intel® Core™ i9/i7/i5/i3/G processors, TDP 65W
- Dual-channel DDR5 SODIMM memory, supporting up to 64GB
- DP + HDMI, supporting same or independent dual displays
- 4x USB 3.0, 2x USB 2.0
- 2x RS485/232, 1x CAN
- 4x GbE LAN: 2x Intel i226-V 2.5Gb RJ45, 1x Intel i219LM RJ45, 1x Intel i210-AT RJ45
- 1x M.2 NVMe x4 2242/2280, 1x M.2 USB + PCIe x1 3042/3052
- TPM 2.0 on board
- I/O card 1: 4x COM, 16 GPIO, 1x Audio, 1x CAN, M.2 2230, 2242/2280

## Dimensions & Product View



## Ordering Information

MODEL	DESCRIPTION
PAS-7511	PAS-7511, fanless industrial Box PC with CPU Intel® Core™ 12th/13th gen., LGA1700, RAM DDR5 up to 64GB, 4x LAN 2.5GbE, HDMI and DP, serial ports RS-232 e RS-485, -40°C - +55°C, 24VDC