

PAS-7513

Fanless Embedded BOX PC



Front View



Lateral View



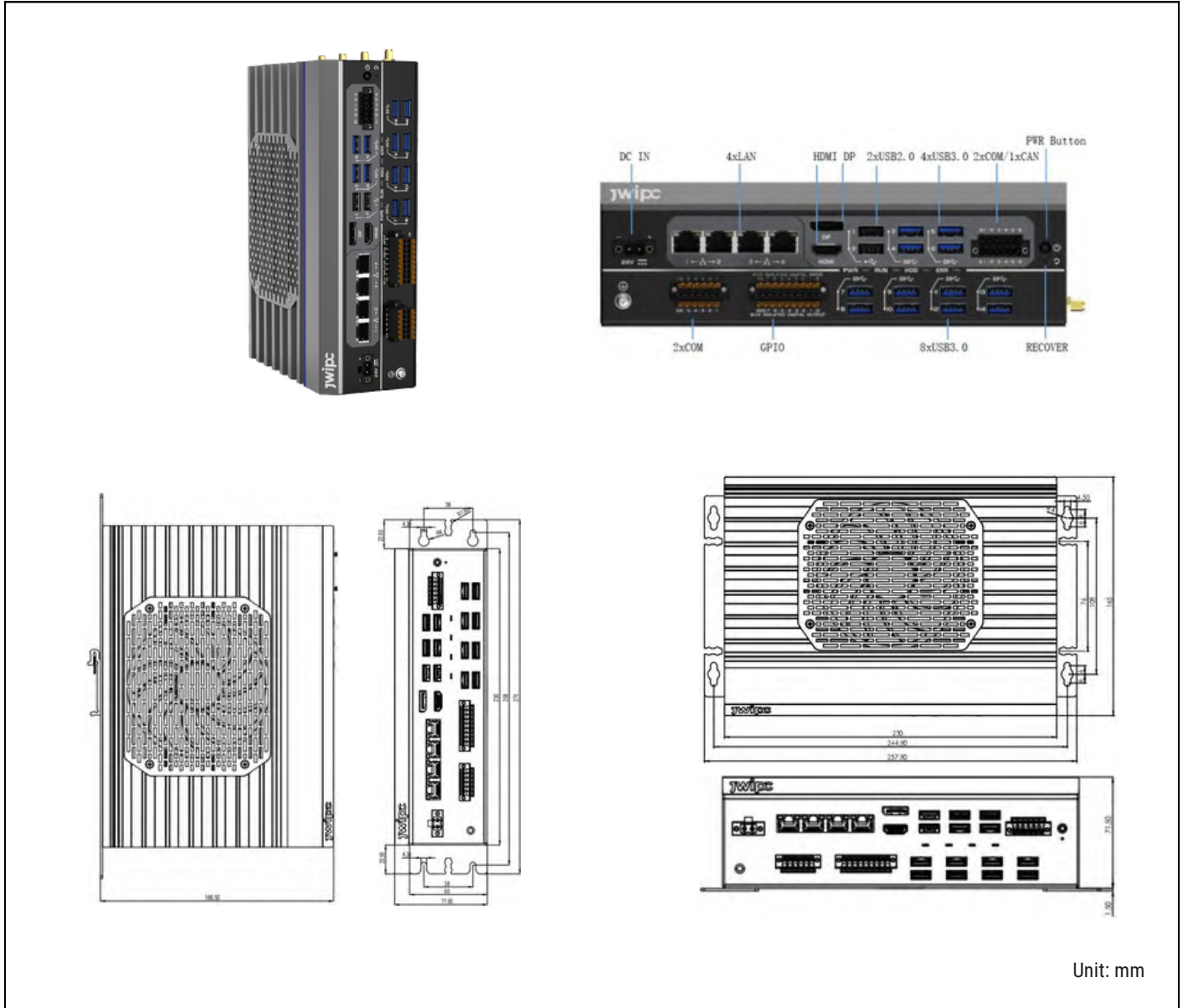
Specifications

| MODEL NAME | PAS-7513 |
|------------------------------------|---|
| SYSTEM | |
| CPU | Intel® Core® 12 th /13 th Gen. i3 / i5 / i7 / i9 / G,TDP 65W |
| CHIPSET | Intel® H610 |
| SYSTEM MEMORY | 2x DDR5 4800MHz SO-DIMM, up to 64GB |
| BIOS | AMI UEFI BIOS |
| GRAPHICS PROCESSOR | Intel® CPU integrated Gen.12 Graphics Engines |
| TPM | TPM2.0, Onboard encryption chip SLB9670 |
| WATCHDOG | Programmable 255 levels timer interval, from 1 to 255 sec |
| I/O INTERFACE | |
| USB | Mainboard: 4xUSB 3.0, 2xUSB 2.0 I/O card: 8xUSB 3.0 (supporting POE) |
| SERIAL | 2x COM RS485/232 (Integrated with CAN on the 12Pin Phoenix terminal) I/O card: 2x RS232/485/422 (Design of Magnetic isolation) |
| VIDEO | 1x DP, up to 4096 x 2160 @60Hz 1x HDMI, up to 4096 x 2160 @24Hz |
| AUDIO | 1x Audio (Mic-In / Line-Out), Realtek ALC897 |
| ETHERNET | 4x RJ45 Intel GbE LAN (1x i219V, 2x i226V, 1x i210AT) |
| OTHERS | 1x CAN ,integrated with COM on 2x6Pin Phoenix terminals |
| GPIO | Optocoupler isolation 16 bit digital I/O (8 inputs, 8 outputs) |
| LED INDICATORS | 1x PWR, 1x RUN, 1x HDD, 1x ERR |
| STORAGE | |
| SRORAGE DEVICE | 2x M.2 Key M Socket (2242/2280, NVMe) |
| EXPANSION | |
| M.2 | 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 |
| SUPPORTED OPERATING SYSTEMS | |
| OS SUPPORT | Windows® 10/11 Linux Ubuntu 21.04 |
| POWER | |
| POWER INPUT | 24V, DC-In |
| POWER INTERFACE | 2Pin Phoenix Terminal |
| MECHANICAL | |
| MOUNTING | Desk/Wall-mounting, Din rail mounting |
| DIMENSIONS | 230 × 165 × 71.5 mm |
| WEIGHT | 4.68 Kg |
| ENVIRONMENTAL | |
| OPERATING TEMPERATURE | -40~55°C w/ 0.7m/s airflow |
| STORAGE TEMPERATURE | -40°C~85°C |
| STORAGE HUMIDITY | 0~90% Humidity, non-condensing |
| VIBRATION | With SSD: 2Grms, IEC 60068-2-64, random, 5~500Hz, 1 hr/axis |
| SHOCK | With SSD: 15G, IEC 60068-2-27, half sine, 11ms duration |
| CERTIFICATIONS | CE / CCC |

Features

- LGA1700 socket supporting 12th and 13th Gen Intel® Core™ i9/i7/i5/i3/G processors, TDP 65W
- Dual-channel DDR5-SODIMM memory, up to 64GB
- DP + HDMI dual display support (same and independent)
- 4x USB 3.0, 2x USB 2.0
- 2x RS485/232, 1x CAN bus
- 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
- IO card 3: 2x COM, 8x USB 3.0, 16 GPIO
- PAS-7513 supporting USB3 Vision® industrial cameras

Dimensions & Product View



Ordering Information

| MODEL | DESCRIPTION |
|----------|--|
| PAS-7513 | PAS-7513: Fanless Industrial box PC, LGA1700 with CPU Intel® Core™ 12th/13th gen, RAM DDR5 up to 64GB, DP + HDMI, 4x Gigabit LAN (2x2.5Gb via Intel i226V, + i219LM + i210AT), multiple USB/COM/CAN, supports M.2 for SSD NVMe and 4G/5G module, power input 24V DC, -40°C - +55°C |