

# KMDA-5612-S002

Intel® 8th/9th gen. Coffee Lake LGA1151 CPU , 2\*DDR4 , 1\*SATA, 1\*mSATA bay, 3\*HDMI , Audio out , 2\*LAN , 4\*USB3.1 , 6\*USB2.0 , 6\*COM , 1\*Mini PCIe , DC 12-24V

**JHTECH**

IoT Computer  
Connecting the Dots

Industrial Embedded Computer  
KAMD Series



## Key Feature

- Intel® 8th/9th Gen. Coffee Lake LGA1151 CPU
- Intel® Q370 chipset
- 2\*DDR4 2133MHz SODIMM, max 64GB
- 1\*2.5-inch SATA3.0 Easy-swappable SATA Bay +1\*Full-size mSATA
- 3\*HDMI display, 1\*Audio lineout+1\*MIC
- 2\*LAN, 4\*USB3.1, 6\*USB2.0
- 2\*RS232/422/485, 2RS232 full prot., 2\*RS232
- 1\*Mini-PCIe with SIM slot, supports 4G/5G/WiFi
- DC 12-24V power input, with OVP,OCP and SCP
- Aluminium-magnesium alloy chassis and fanless cooling design

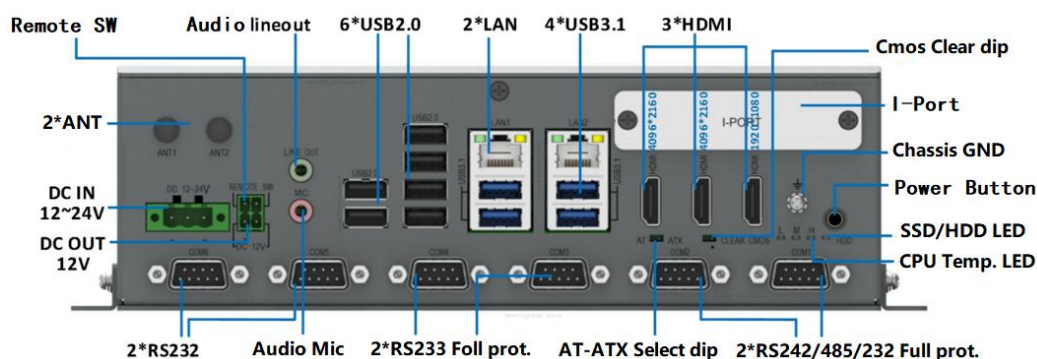
4K  
Ultra HD



## Product Overview

KMDA-5612-S002 is a high-performance box computer based on the Q370 chipset and Intel® 8th/9th Gen Coffee Lake processors. It features rich I/O functions and a compact size, ideal for machine vision, industrial control and other industrial applications.

## IO Layout

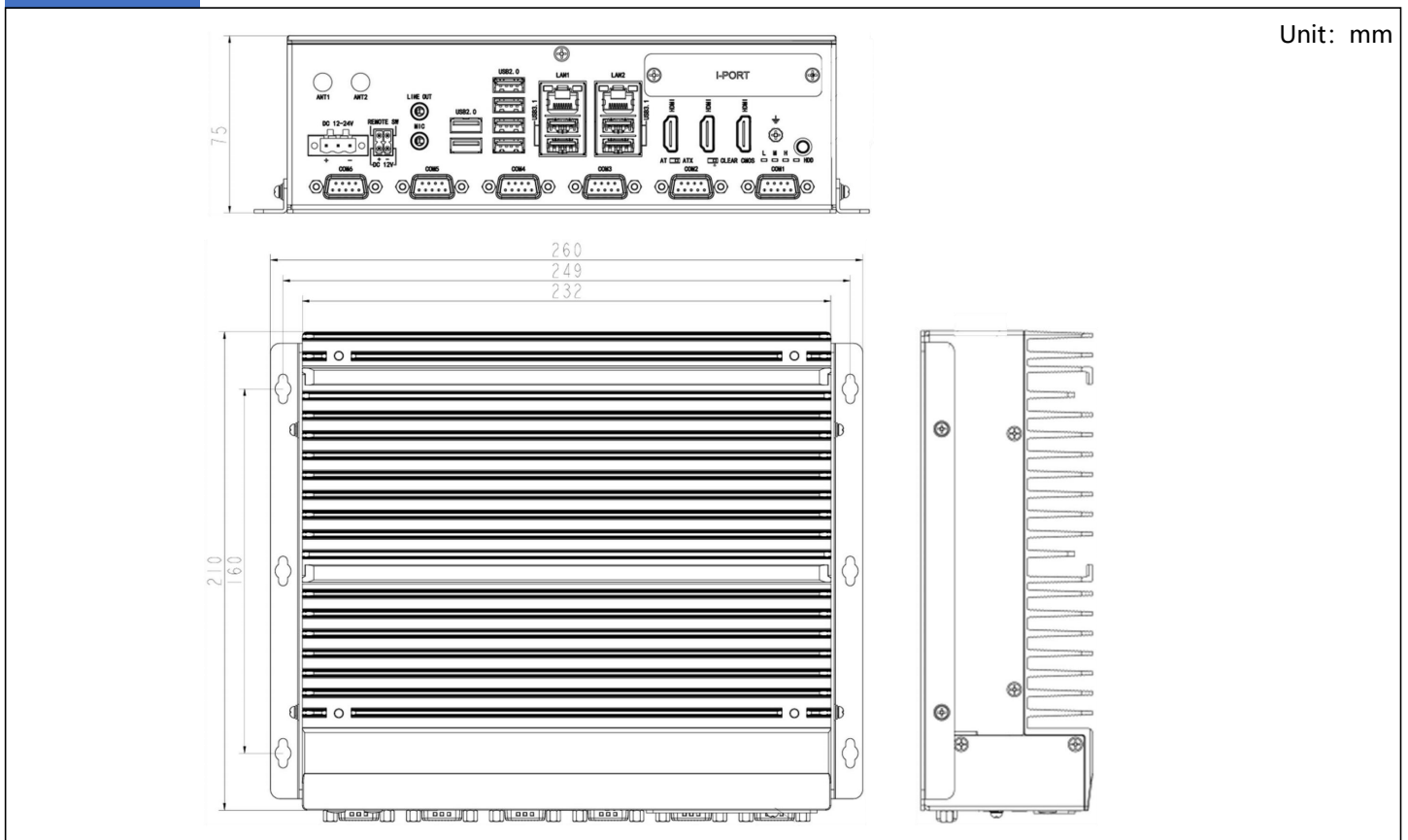


## SPEC.

CPU+PCH	Intel® Coffee Lake 9th/8th-Gen Core™ i9/i7/i5/i3/Pentium/Celeron LGA1151 CPU, max. 65W, Intel® Q370 PCH
System memory	2*260-Pin SODIMM, dual-channel DDR4 2133MHz, max. 64GB
Expansion	1*full-size Mini PCIe (USB2.0 signal), supports 4G/5G/Wi-Fi 6/BT5.0 wireless modules; 1*SIM card slot, 2* ANT
Graphics	3*HDMI 2.0 ports, Intel UHD Graphics, supports DirectX11.1, OpenGL 5.0, OpenCL 2.1; 2*HDMI up to 4096×2160@24Hz, 1*HDMI up to 1920*1080@24Hz, support 3 independent displays
Audio	Realtek ALC897 controller, 1*Line out and 1*MIC high fidelity Audio, supports 5.1 channel
LAN	1*Intel I210AT + 1* Intel I219LM, 10/100/1000Mbps auto-negotiation, support WOL
Storage	1*2.5" easy-plug SATA bay, larger capacity thickness15mm HDD, with SATA3.0 signal max 6Gbps; 1*full size mSATA, with SATA3.0 signal, max 6Gbps
USB3.1	4*USB3.1( Type A)
USB2.0	6*USB2.0 (Type A)
COM	6×COM (COM1/2: 2×RS485/422/232 full protocol; COM3/4: 2×RS232 full protocol; COM5/6: 2×RS232)
LED	1*Power LED (on the power button), 1*HDD LED, 3*CPU temp LED (Red is warning , Yellow is high, Green is normal)
Control SW	1*Power SW, 1*Remote SW, 1*AT/ATX dip, 1*Clear CMOS dip
Power supply	DC 12~24V wide voltage input, 3-pin 5mm pitch Term. block, over-voltage/over-current/reverse polarity protection TDP : TBD
Watchdog timer	Watchdog timeout programmable via software 1 to 255 second

OS	Windows 10 , Windows 11 and Linux
Mechanical	Aluminium-magnesium alloy chassis and fanless cooling design, SGCC frame
Color	Silver gray
Mounting	Wall mount (default); optional desktop or DIN-rail mount
Dimension	(W*D*H) : 225*154*75.6 mm
Net weight	2.52 KG
Operating temperature	-20 ~ 60°C, 35W CPU, air flow -20 ~ 40°C, 65W CPU, air flow
Storage temperature	-40°C~85°C
Storage humidity	10~95%@40°C, Non-condensing
Vibration	5grms/5~500Hz/random/in working(SSD); 1grms/5~500Hz/random/in working(HDD)
Shock	50g peak acceleration(11ms duration)(SSD); 20g peak acceleration(11ms duration)(HDD)
EMC/ Certification	CE/FCC Class A

## Dimension



## Ordering Info.

Model No.	CPU+PCH	Description
KMDA-5612-S002	Intel® 8th/9th Gen Coffee Lake LGA1151 CPU, Q370 PCH	Industrial Embedded computer ,2*DDR4 SODIMM, 2*LAN, 4*USB3.1, 6*USB2.0, 6*COM, 3*HDMI, Audio out+Mic, 1*mSATA, 1*2.5" SATA bay, 1*Mini PCIe, 1*SIM slot, DC 12~24V
PA-120DC19	AC/DC power adapter, DC 19V/6.32A, 120W	