

KMDA-3306-T002

Intel® Arrow Lake CPU, 2*HDMI, 3*LAN, 6*COM, 16bit Iso. DIO, 6*USB, 2*CAN, Audio, 1*Mini PCIe, 1*mSATA, 1*M.2 M-Key,

JHCTECH IoT Computer Connecting the Dots

Embedded Box PC--KMDA Series



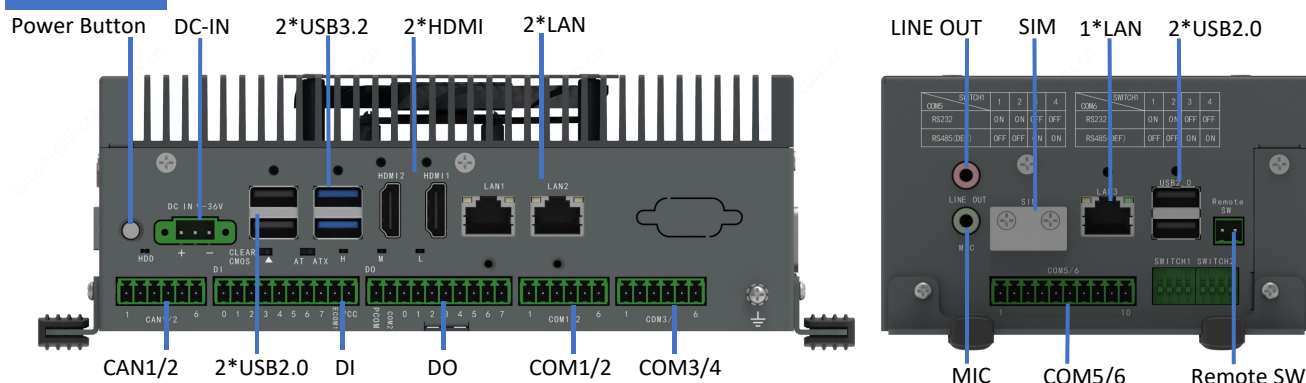
Key Features

- Intel® Arrow lake Soc CPU
- 1*DDR5 5600MHz SODIMM, up to 128GB
- 2*HDMI 4K display output, Audio out+Mic
- 3*LAN Gigabit Ethernet port
- 2*USB3.2, 4*USB2.0, 2*CAN, 16bit Iso. DIO
- 2*RS232/485, 2*RS232, 2*RS485
- 1*M.2 2280 M-Key, supports NVME storage
- 1*Mini PCIe, with SIM card slot, supports 4G
- 1*Full Size mSATA for storage
- DC 9~36V, with short circuit, over voltage/ current protection

Description

KMDA-3306-T002 is a high-performance, small volume, compact embedded box computer, designed with SGCC box structure and aluminum extruded heat dissipation shell. With Intel Arrow Lake series processors, rich IO functions and shock-absorbing design, are suitable for application scenarios such as AGV/AMR, machine vision, and embodied intelligent robots

I/O View



SPEC

CPU	Intel® Arrow Lake Soc CPU, 2*P-Core +8*E-Core +2*LPE-Core hybrid architecture, TDP 15W
GPU	Intel® Graphics, 4*Xe GraphicsCore, DirectX12.2, OpenGL 4.6, OpenCL 3.0, Highest 7680x4320@60Hz
NPU	Intel® AI Boost, 12 TOPS computing power, Support OpenVINO™、WindowsML、DirectML、ONNX RT
Memory	1*DDR5 SO-DIMM slot, support 5600MHz, up to 128GB
Storage	1*Full Size mSATA, up to SATA6.0 Gbps
LAN	3*LAN, Intel I210AT, 10/100/1000Mbps adaptive, supports WOL
USB	2*USB3.2 (TypeA gen2.0), 4*USB2.0 (TypeA)
CAN	2*CAN
COM	6*COM (COM5/6: 2*RS232/485, COM1/2: 2*RS232, COM3/4: 2*RS485)
I/O Interface	1*16bit Iso. DIO (2*10Pin Phoenix terminal)
Display	2*HDMI
Audio	Realtek ALC897, Supports 5.1 channels, Audio out + Mic
Expansion	1*Full Size Mini PCIe, with SIM card slot, PCIe X1+USB2.0 signal, supports 4G LTE and BT 1*M.2 2280 M-Key, supports NVME storage
Switch button	1*Power button w/LED, 1*Remote SW, 1*AT/ATX SW, 1*Clear CMOS SW, RS232/485 Mode Switch
Pilot lamp	1*Power LED, 3*CPU temp LED (Red is warning , Yellow is high, Green is normal)
Power supply	DC 9-36V, 1*3-pin phoenix term, with short circuit, over voltage/current protection, TDP: 27.36W
Watchdog timer	Watchdog timeout programmable via software 1 to 255 second
OS Support	Windows 11*IoT enterprise, Windows 10*IoT enterprise, Android, SUSE, Ubuntu22.04 Version above, Wind River, Red Hat*Enterprise, Wind River VxWorks*7, Yocto

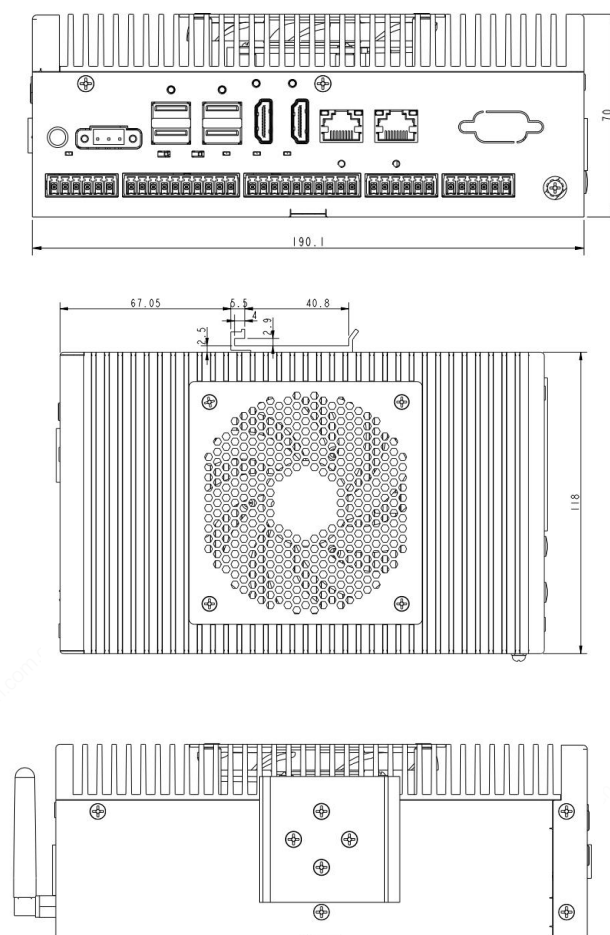
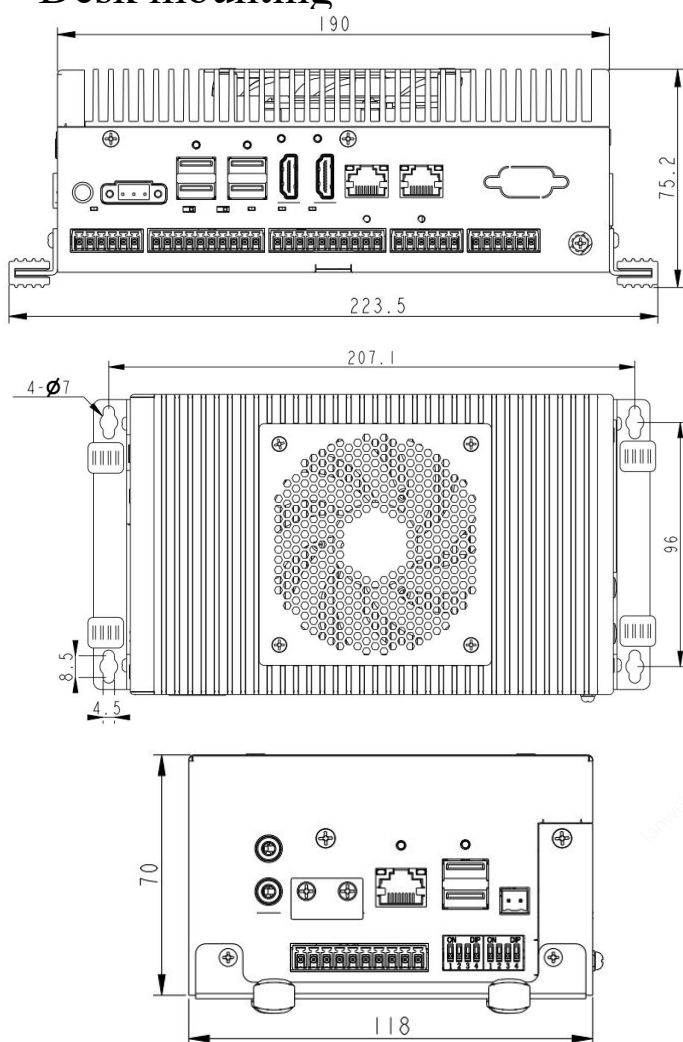
Mechanical	Aluminum extruded profile heat dissipation housing, SGCC chassis
Color	Silver Gray
Mounting	Desk mounting with anti-vibration non-slip foot pads, opt Din-Rail mounting
Dimension	(W*D*H): 223.5*118*75.2mm (With mounting bracket) ; 190*118*70mm (Without bracket)
Net weight	1.842kg
Operating temperature	-20 ~ 70°C, wide temp SSD, airflow
Storage temperature	-40°C~85°C
Storage humidity	10~95%@40°C,Non-condensing
Vibration	5grms/5~500Hz/ random/in working(SSD)
Shock	50g peak acceleration(11ms duration)(SSD)
EMC/Certification	CE/FCC Class A

Dimension

Desk mounting

Din-Rail mounting

Unit: mm



Ordering Info

Model No	CPU	Introduction
KMDA-3306-T002	Intel® Core™ Ultra 5 225U	1*DDR5 SODIMM, 3*LAN, 4*USB3.2, 2*USB2.0, 6*COM, 16bit Iso. DIO, 2*HDMI, Audio out + Mic, 1*Mini PCIe, 1*M.2 M-key, 1*I-Port, 1*mSATA, DC IN 9-36V
PA-60DC12 component	AC/DC power adapter, DC 12V/5A 60W + X Standard Power Cable	