KMDA-3305

Intel® Tiger lake U Soc CPU, 2*HDMI, 3*LAN+6*Switch LAN, 6*COM, 16bit Iso. DIO, 6*USB，2*CAN，Audio，1*Mini PCIe, 1*mSATA, 1*M.2 M-Key, DC 9-36V.

JHCTECH

IoT Computer Connecting the Dots

Embedded Box PC--KMDA Series



4K Ultra HD

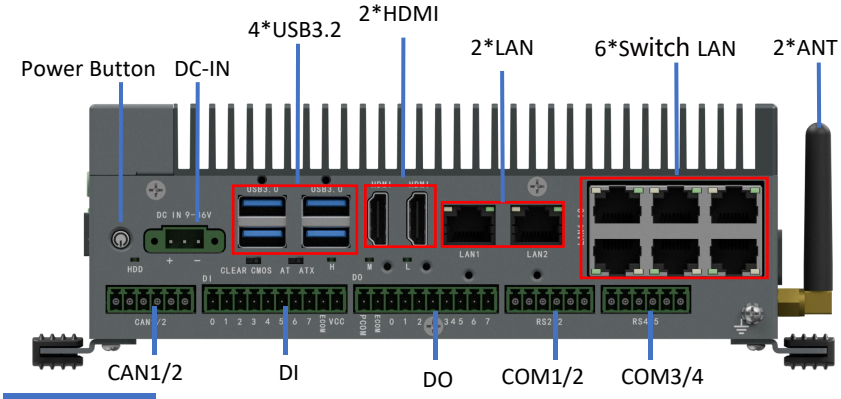
RoHS CE FCC

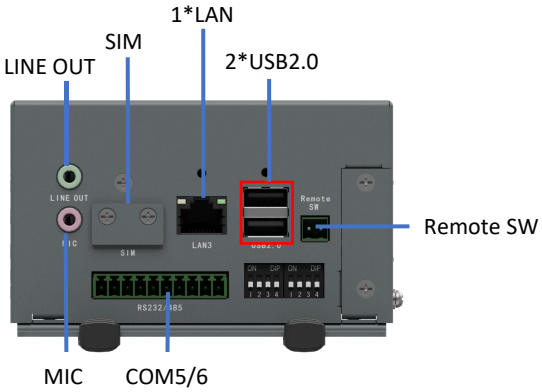
Key Features

- Intel® Tiger lake U Soc CPU
- 1*DDR4 3200MHz SODIMM，up to 32GB
- 2*HDMI 4K display output
- 3*LAN + 6*Switch LAN, 4*USB3.2，2*USB2.0
- 16bit Iso. DIO, 2*RS232/485, 2*RS232, 2*RS485, 2*CAN, Audio out + Mic
- 1*M.2 2280 M-Key, supports NVME storage
- 1*Mini PCIe, with SIM card slot, supports 4G wireless module
- 1 * Full Size mSATA for storage
- DC 9~36V, with short circuit, over voltage and over current protection

Description

KMDA-3305 is a high-performance, small-size, compact embedded cabinet computer with SGCC cabinet structure design and aluminum extruded profile heat dissipation shell. Equipped with Intel® Tiger lake U Soc series CPU, rich IO functions and shock-absorbing design, suitable for AGV/AMR and traffic turnstiles and other application scenarios.





SPEC.

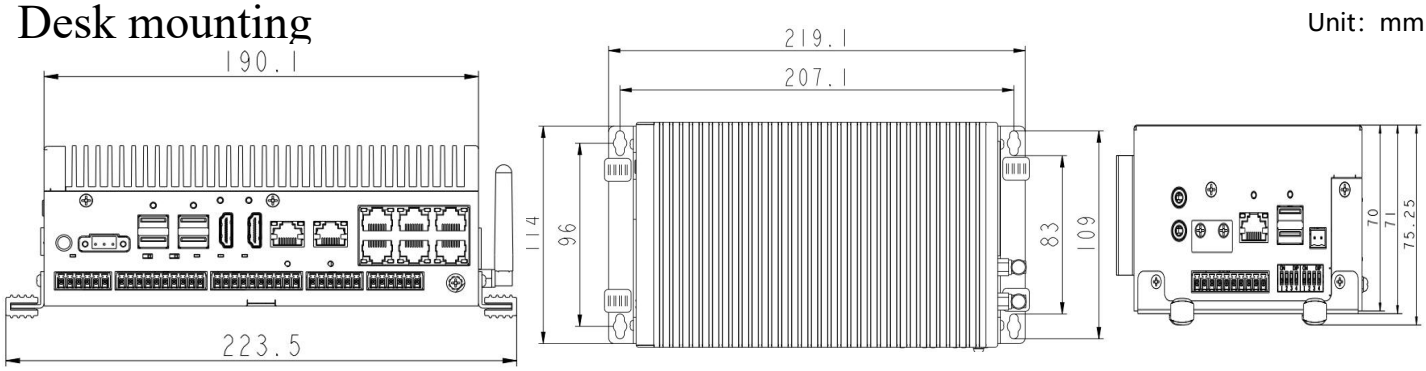
CPU	Intel® Tiger lake U Soc CPU (core i3-1115G4/i5-1135G7/i7-1165G7)
Memory	1*DDR4 SO-DIMM slot, support 3200MHz, up to 32GB
Expansion	1*Mini PCIe, with SIM card slot，PCIe X1+USB2.0 signal，supports wireless function modules such as 4G LTE and BT 1*M.2 2280 M-Key, supports NVME storage
Graphics	Intel UHD Graphics or iRIS® Xᵉ Graphics , DirectX12.1, OpenGL 4.6 and OpenCL 3.0, HDMI max res. 4096x2304@60Hz
Audio	Realtek ALC897 Audio chip, support 5.1 channels, Audio out + Mic
LAN	3*I210AT Gigabit Ethernet and1*Realtek 8111H support 6*Switch Ethernet , all are10/100/1000Mbps adaptive，supports WOL
Storage	1*Full Size mSATA, up to SATA6.0 Gbps
I/O Interface	9*RJ45 w/LED(3 Gigabit LAN+6 Switch LAN)；2*HDMI；Audio out + Mic; 4*USB3.2 (TypeA gen2.0) , up to 10.0Gbps，2*USB2.0 (TypeA)；2*CAN; 6*COM（COM5/6: 2*RS232/485 select and change modes through a dial switch, COM1/2: 2*RS232, COM3/4: 2*RS485）；1*16bit Iso. DIO (two 10Pin Phoenix terminal)；1*SIM card slot
LED	1*Power LED, 3*CPU temp LED（Red is warning , Yellow is high, Green is normal）
Control SW	1*Power button w/LED，1*Remote SW, 1*AT/ATX SW, 1*Clear CMOS SW, RS232/485 mode conversion switch for COM5/6
Power supply	DC 9-36V, 1*3-pin phoenix term, with short circuit, over voltage and over current protection TDP: 23.64W（Intel Core I7-1165G7/8GB DDR4/128GB mSATA）
Watchdog timer	Watchdog timeout programmable via software 1 to 255 second
OS Support	Windows 11*IoT enterprise，Windows 10*IoT enterprise，Android，SUSE，Ubuntu，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 or Wall mounting

Dimension	(W*D*H): 223.5*118*75.25mm (With tabletop mounting bracket) ; 190.1*118*70mm (Without mounting bracket)
Net weight	1.978kg
Operating temperature	-20～60℃, wide temp SSD, airflow
	-20～70℃, 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 and Certification	CE/FCC Class A
Optional	In order to better use it efficiently and stably in high-temperature environments such as high-temperature workshops, tropical outdoors, and narrow spaces, KMDA-3305 is designed with an optional fan-assisted heat dissipation structure

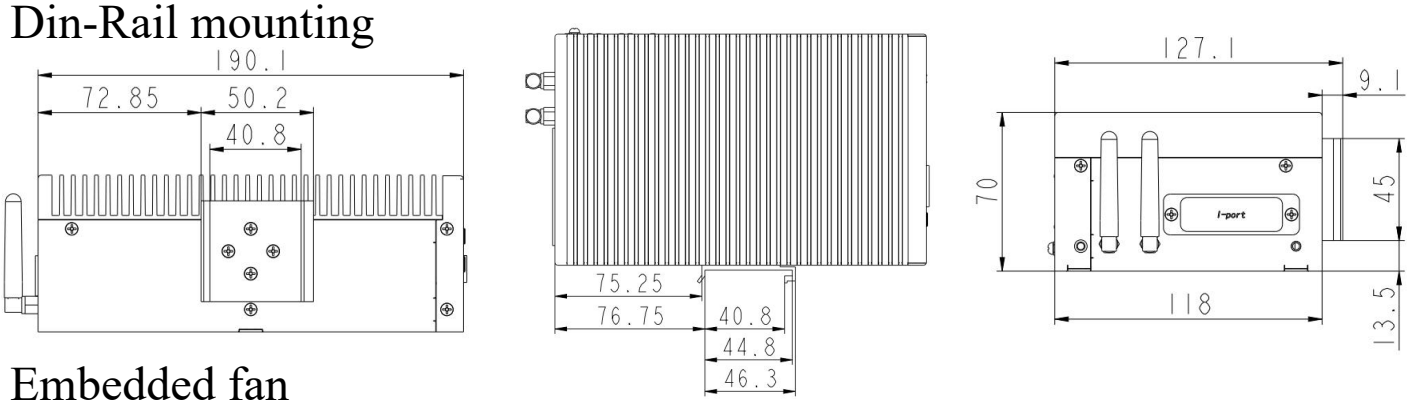
Dimension

Desk mounting

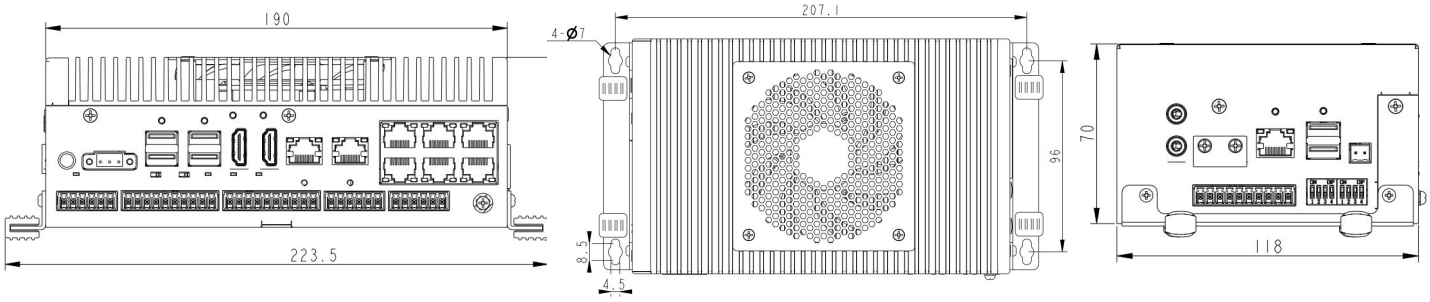
Unit: mm



Din-Rail mounting



Embedded fan



Ordering Info.

Model No	CPU	Introduction
KMDA-3305-S001	Intel® Core I3-1115G4	1*DDR4 SODIMM, 3*Gigabit LAN + 6*Switch 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*mSATA, DC IN 9-36V.
KMDA-3305-S002	Intel® Core I5-1135G7	
KMDA-3305-S003	Intel® Core I7-1165G7	
KMDA-3305-T001	Intel® Core I3-1115G4	1*DDR4 SODIMM,3*Gigabit LAN + 6*Switch 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*mSATA, DC IN 9-36V, With an embedded fan
KMDA-3305-T002	Intel® Core I5-1135G7	
KMDA-3305-T003	Intel® Core I7-1165G7	
PA-60DC12 component	AC/DC power adapter, DC 12V/5A 60W + X Standard Power Cable	