

KMDA-3302

Intel® Tiger lake U Soc CPU, HDMI, 2*LAN, 2*COM, 8bit DIO, 4*USB

1*Mini PCIe, 1*mSATA, 1*M.2 B-Key, 1*M.2 E-Key, DC 9-36V. **JHCTECH**

IoT Computer
Connecting the Dots

Embedded Box PC--KMDA Series



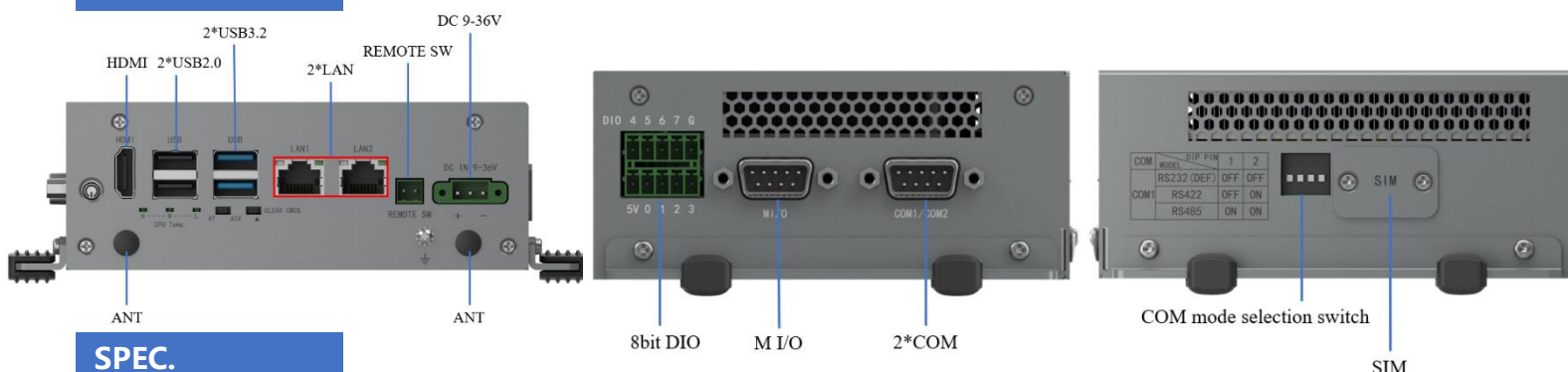
Key Features

- Intel® Tiger lake U Soc CPU
- SGCC box design, 4-wire speed control fan for heat dissipation
- 1*DDR4 3200MHz SODIMM, up to 32GB
- 1*HDMI 4K display output
- 2*I210AT Gigabit Ethernet port, 2*USB3.2, 2*USB2.0
- 8bit DIO, 1*RS232/422/485, 1*RS232
- 1*M.2 2230 E-Key, supports for WiFi/BT and other functional extensions
- 1*M.2 B-Key, with SIM card slot, supports 5G NR wireless module
- 1*Mini PCIe, supports functional cards such as CAN, optional switch to mSATA
- 1 * Full Size mSATA for storage
- DC 9~36V, with short circuit, over voltage and over current protection

Description

KMDA-3302 is a high-performance, small volume, and compact embedded box computer, designed with an SGCC box structure and equipped with a 4-wire speed control fan for heat dissipation. Powered by Intel® Tiger lake U Soc series CPU, with rich IO functions, slim body, anti-vibration design, suitable for mobile portable terminals, advertising machines, logistics visual inspection, AGV, AMR and other application scenarios.

I/O View

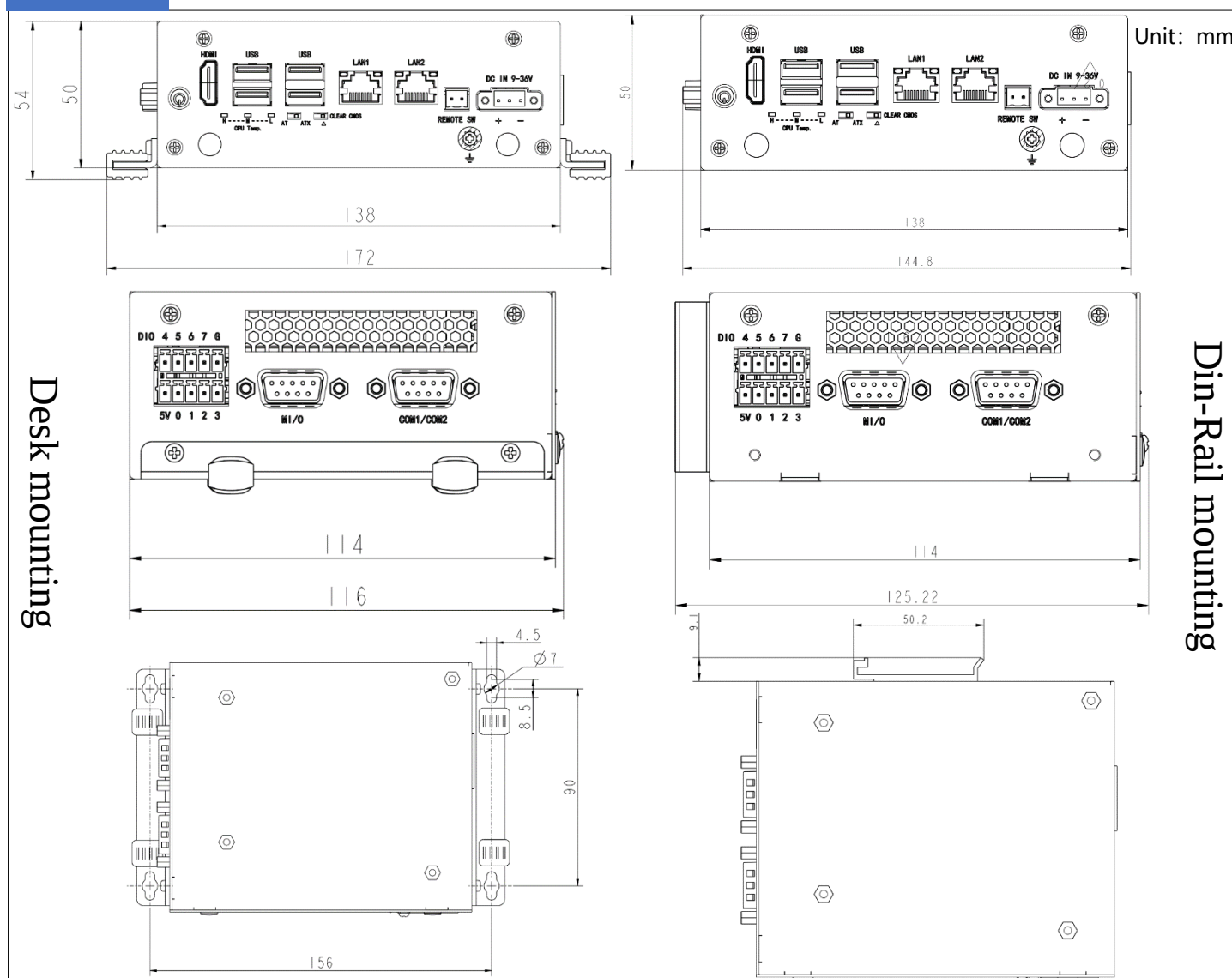


SPEC.

CPU	Intel® Tiger lake U Soc CPU (core i3-1115G4/i5-1135G7/i7-1165G7, Celeron 6305E)
Memory	1*DDR4 SO-DIMM slot, support 3200MHz, up to 32GB
Expansion	1*full size Mini PCIe, with PCIe X1+USB2.0 signal, support for CAN2.0 and other functional expansion modules, can automatically detect and switch to mSATA 1*M.2 3042/3052 B-Key, with SIM card slot, PCIe X1+USB2.0 signal, supports wireless function modules such as 4G LTE or 5G NR 1*M.2 2230 E-Key with PCIe X1+USB2.0 signal, supports WiFi/BT module and other functional expansion modules
Graphics	Intel UHD Graphics or iRIS® Xe Graphics, DirectX12.1, OpenGL 4.6 and OpenCL 3.0, HDMI max res. 4096x2304@60Hz
LAN	2*Intel I210AT, 10/100/1000Mbps adaptive, supports WOL
Storage	2*Full Size mSATA, up to SATA6.0 Gbps, one is PCIeX1 signal automatic detection option
I/O Interface	2*LAN; 1*HDMI; 2*USB3.2 (TypeA gen2.0), up to 10.0Gbps, 2*USB2.0 (TypeA); 2*COM (1*RS232/422/485 select and change modes through a dial switch, 1*RS232); 1*MIO (optional support for built-in functional module interface expansion, such as CAN module); 1*8bit DIO (2*5Pin 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, RS232/422/485 mode conversion switch for COM1
Power supply	DC 9-36V, 1*3-pin phoenix term, with short circuit, over voltage and over current protection TDP: TBD
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	SGCC chassis
Color	Pigeon Blue
Mounting	Desk mounting with anti-vibration non-slip foot pads, opt Din-Rail mounting
Dimension	(L*W*H): 172*116*54mm (Including Desk mounting parts) ; 144.8*125.22*50 (Including Din-Rail mounting parts) ; 144.8*116*50 (Excluding mounting parts)
Net weight	0.89 KG
Operating temperature	-20 ~ 60°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); 1grms/5~500Hz/random/in working(HDD)
Shock	50g peak acceleration(11ms duration)(SSD); 20g peak acceleration(11ms duration)(HDD)
EMC and Certification	CE/FCC Class A

Dimension



Ordering Info.

Model No	CPU	Introduction
KMDA-3302-S001	Intel® Core I3-1115G4	1*DDR4 SODIMM, 2*LAN, 2*USB3.2, 2*USB2.0, 2*COM, 8bit DIO, 1*HDMI, 1*Mini PCIe, 1*M.2 B-key, 1*M.2 E-Key, 1*MIO, 1*mSATA, DC-IN 9-36V
KMDA-3302-S002	Intel® Core I5-1135G7	
KMDA-3302-S003	Intel® Core I7-1165G7	
KMDA-3302-S004	Intel® Celeron 6305E	
PA-60DC12 component		AC/DC power adapter, DC 12V/5A 60W + X Standard Power Cable