

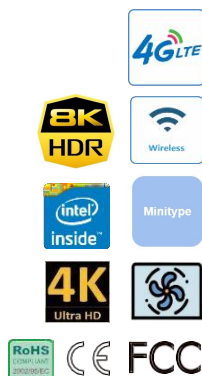
KMDA-3302-M102-913

Intel® Tiger lake U CPU, 2-CH DDR4, HDMI+DP, 2*LAN, 4*USB3.2, 3/4*COM, 1*M.2 E-key / 1*M.2 B-key, 1*mSATA / 1*Mini-PCIe, DC 12V or DC 9-36V.

JHCTECH

IoT Computer
Connecting the Dots

Embedded Box Computer
-KMDA Series



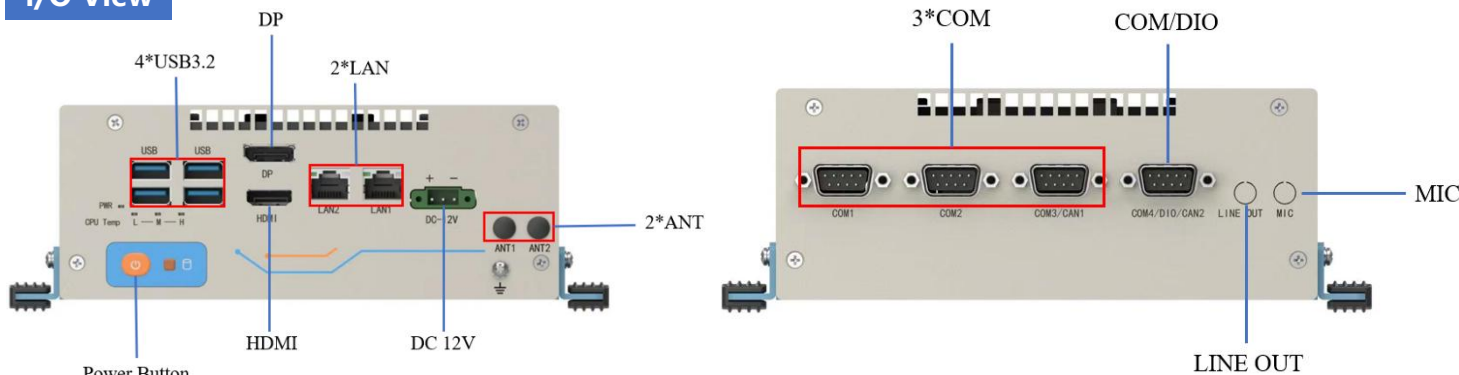
Key Features

- SGCC box design, 4-line temperature-controlled fan silent heat dissipation
- Intel® Tiger lake U Core TM i3/i5/i7/Celeron series CPU
- 2*DDR4 3200MHz SODIMM, up to 64GB
- 1*HDMI, 1*DP, supports 4K+8K display
- 1*Line out&Mic, 4*USB3.2
- 2* GbE LAN, 3/4*COM, 8-bit DIO
- 1*M.2 2230 E-Key /1*M.2 3052 B-key with a SIM card slot, 1*Mini-PCIe (optional mSATA)
- 1*2.5 "SATA bay for storage
- DC 12V or DC 9-36V

Description

KMDA-3302-M102-913 is an embedded box computer, which adopts SGCC box structure design and has a built-in 4-wire debugging fan for silent cooling. Power by Intel® Tiger lake U architecture, adopt the 11th generation Intel® Core TM i3/i5/i7/Celeron series CPU, 4K+8K display, rich IO interface. DC 12V or wide voltage DC 9-36V, small size, beautiful appearance, easy to manufacture, suitable for mobile portable terminals, advertising machines, AGV, medical analysis equipment and other application scenarios.

I/O View

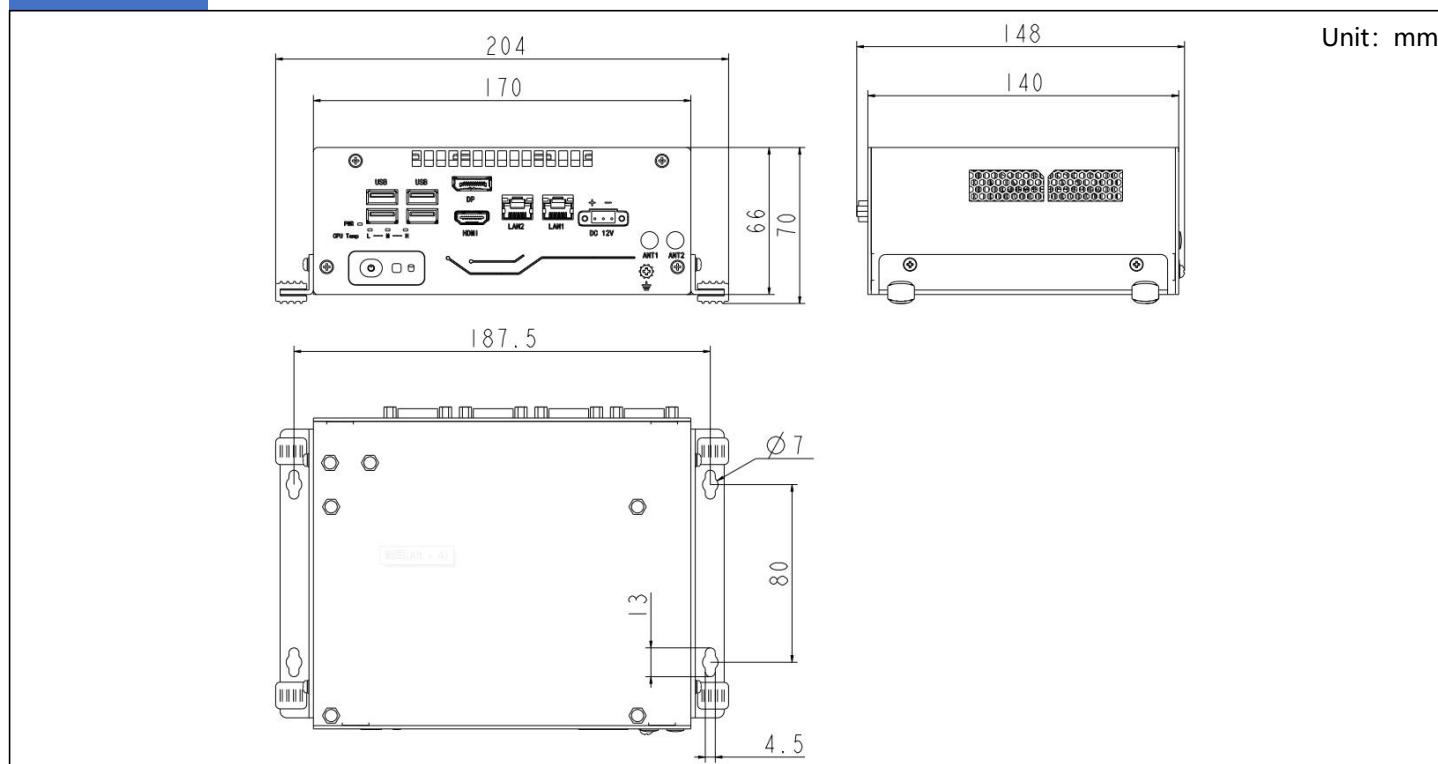


SPEC.

CPU	Intel® Tiger lake U Soc CPU (core i3-1115G4/i5-1135G7/i7-1165G7, Celeron 6305), TDP 12W/15W/28W
Memory	2*260pin DDR4 SO-DIMM, 3200MHz, up to 64GB
Expansion	1*M.2 E-key 2230 (USB2.0 signal and PCIeX1 signal) , supports Wifi5/BT5.0 or 1*M.2 B-key 3052(USB2.0 signal and PCIeX1 signal) , with SIM card slot, supports 4G LTE/5G NR 1*Full-Size Mini PCIe (PCIeX1 signal), supporting the functional module of PCIe, can realize the selection with mSATA signal through BIOS
Graphics	Intel UHD Graphics or sharp torch® X® Graphics, supports the Intel DL boost deep learning to strengthen technology, DirectX12.1, OpenGL 4.6 and OpenCL 3.0 HDMI max res. 4096*2304@60Hz, DP max res. 7680*4320@60Hz, supports dual independent display
Audio	Realtek ALC897 controller, 1*Line out+1*Mic hi-fi audio, supports 5.1 channel
LAN	1*Intel® I219LM Gig. Ethernet, 10M/100M/1000M self-adapt, supports WOL, supports iAMT13.0 1*Intel® I226V Gig. Ethernet, 10M/100M/1000M self-adapt, supports WOL
Storage	1*2.5 "SATA bay, up to 15mm thick disk; 1*mSATA (optional)
I/O Port	2*RS232/422/485 (DB9), 1*RS232(DB9), 1*8-bit DIO (DB9) optional supports for RS232 4*USB3.2, 2*G-LAN (RJ45) 1*HDMI, 1*DP, 1*Line out &Mic(Phone jack)
LED	1*Power LED, 1*HDD LED, 3*CPU temp. LED (Red is warning , Yellow is high, Green is normal)
Control Switch	1*Power button
Power Supply	3-pin ter. connector, DC 12V or DC 9-36V 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

Structure	SGCC
Color	Silk Grey+Pastel Blue
Mounting	Desktop installation
Dimension	(W*D*H): 204*148*70mm (Including mounting parts)
Height	1.55 kg
Operating Temperature	0 ~ 50°C, with wide operating 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/Certification	CE/FCC Class A

Dimension



Ordering Info

Modol No.	CPU	Introduction
KMDA-3302-M102-913-S001	Intel® Core I3-1115G4	Embedded box computer, 2*DDR4 SO-DIMM, 1*HDMI, 1*DP, 1*Line out&Mic, 2*LAN, 4*USB3.2, 3/4*COM, 8-bit DIO, 1*M.2 E-key/1*M.2 B-key, 1*Mini PCIe/mSATA, 1*2.5" SATA, DC 12V
KMDA-3302-M102-913-S002	Intel® Core I5-1135G7	
KMDA-3302-M102-913-S003	Intel® Core I7-1165G7	
KMDA-3302-M102-913-S004	Intel® Celeron 6305	
KMDA-3302-M102-913-S001-WP	Intel® Core I3-1115G4	Embedded box computer, 2*DDR4 SO-DIMM, 1*HDMI, 1*DP, 1*Line out&Mic, 2*LAN, 4*USB3.2, 3/4*COM, 8-bit DIO, 1*M.2 E-key/1*M.2 B-key, 1*Mini PCIe/mSATA, 1*2.5" SATA, DC 9-36V
KMDA-3302-M102-913-S002-WP	Intel® Core I5-1135G7	
KMDA-3302-M102-913-S003-WP	Intel® Core I7-1165G7	
KMDA-3302-M102-913-S004-WP	Intel® Celeron 6305	
PA-60DC12 Components	AC/DC adapter, DC 12V/5A 60W+X standard power cable	