

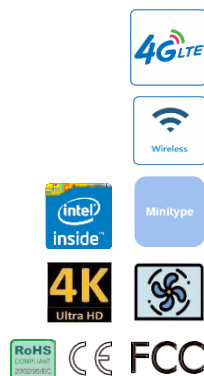
PADR-M102-910

Intel® Whiskey lake U CPU, 2-CH DDR4, HDMI+DP, 2*LAN, 4*USB3.0, 3/4*COM, 1*M.2 E-key, 1*Mini PCIe, DC 12V or DC 9-36V.

JHCTECH

IoT Computer
Connecting the Data

Embedded Box Computer
-PADR Series



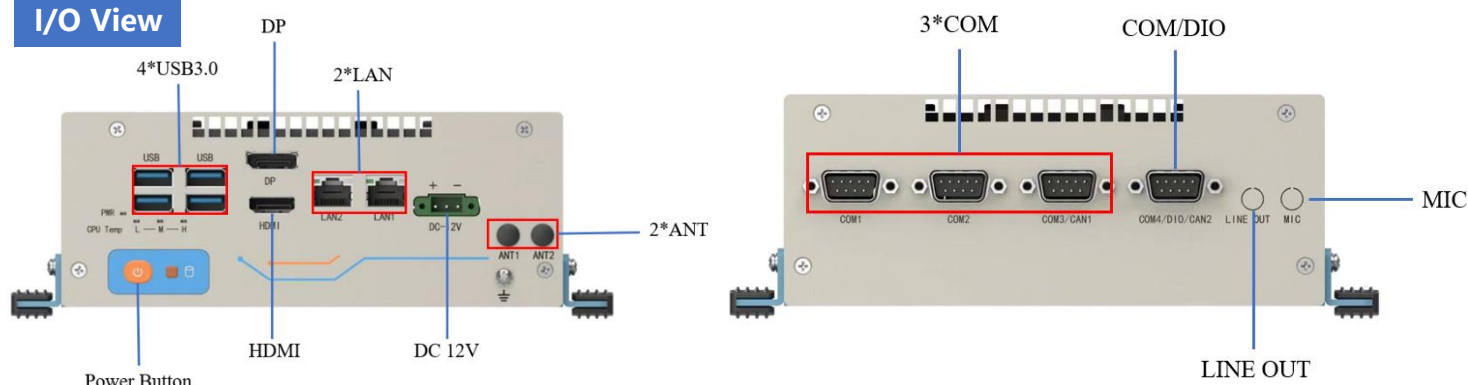
Key Features

- SGCC box design, 4-line temperature-controlled fan silent heat dissipation
- Intel® Whiskey lake-U Core TM i3/i5/i7/Celeron series CPU
- 2-Ch DDR4 2400MHz SODIMM, up to 32GB
- 1*HDMI, 1*DP, supports dual 4K display
- 1*Line out&Mic, 4*USB3.0
- 2* GbE LAN, 3/4*COM, 8-bit DIO
- 1*M.2 2230 E-Key, 1*Mini-PCIe with a SIM card slot, optional mSATA
- 1*2.5 "SATA bay for storage
- DC 12V or DC 9-36V

Description

PADR-M102-910 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® Whiskey lake U architecture, adopt 8th generation Intel® Core TM i3/i5/i7/Celeron U Series CPU, dual 4K 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

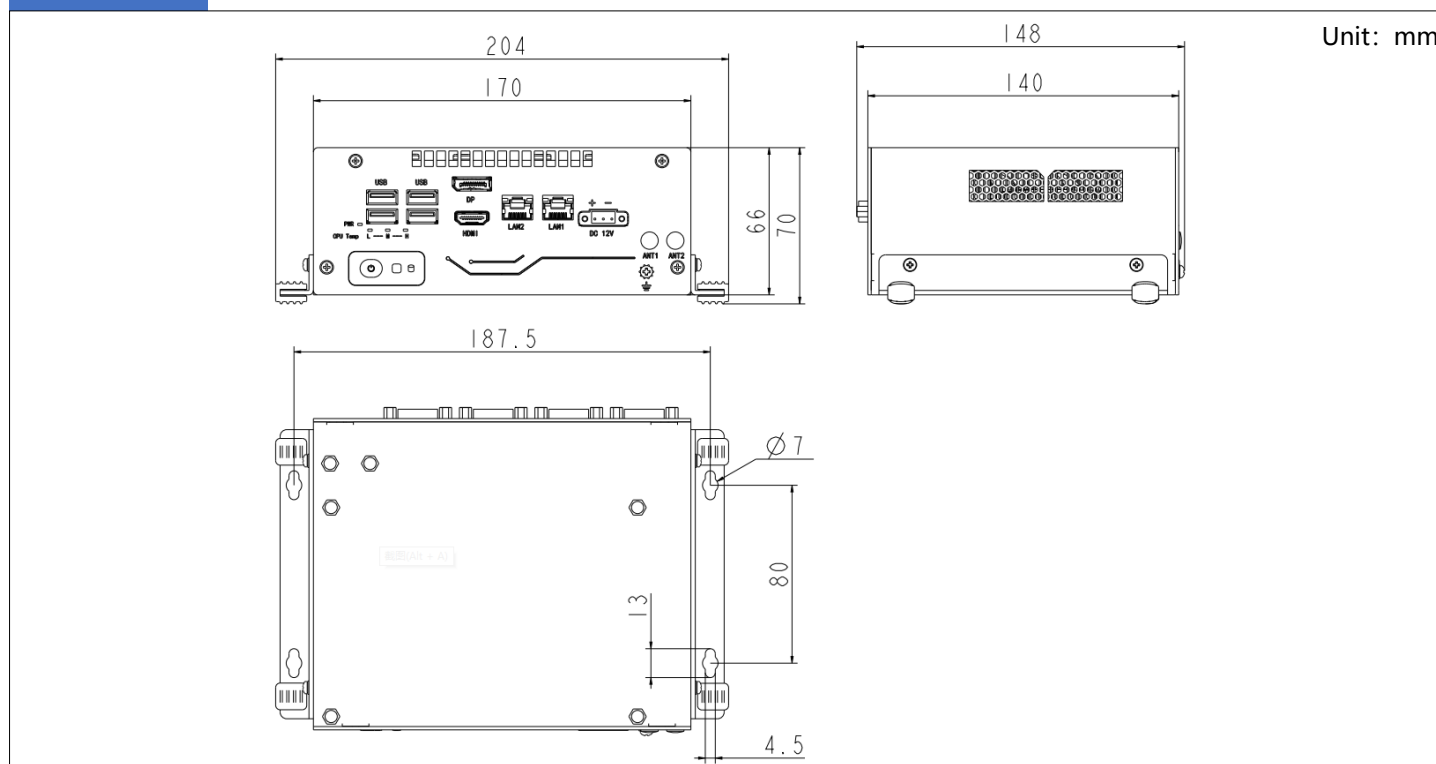


SPEC.

CPU	Intel® Whiskey lake-U CPU, Core I7-8565U 1.8-4.6GHz 4 core 8 threads, Core I5-8265U 1.6-3.9GHz 4 core 8 threads, Core I3-8145U 2.1-3.9GHz 2 cores and 4 threads, Celeron 4305U 2.2GHz dual-core dual-thread
Memory	2-Ch DDR4 SO-DIMM, 2400MHz, up to 32GB
Expansion	1*M.2 E-key 2230 (USB2.0 signal and PCIeX1 signal) , supports Wifi/BT; 1*Full Size Mini PCIe with SIM card slot supports 4G LTE/Wifi/BT, Mini PCIe and mSATA signal selection can be realized through BIOS
Graphics	Intel® Gen. 9 UHD Graphics, supports dual independent display 1*HDMI max res. 4096*2304@24Hz 1*DP max res. 4096*2304@60Hz
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 1*Intel® I226V Gig. Ethernet, 10M/100M/1000M self-adapt, supports WOL
Storage	1*2.5 "SATA bay, up to 15mm thick disk
I/O Port	2*RS232/422/485 (DB9), 1*RS232(DB9), 1*8-bit DIO (DB9) optional supports for RS232 4*USB3.0, 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: 27.87W (I7-8565U, 16GB DDR4, 1*4T SSD)
Watchdog Timer	Watchdog timeout programmable via software 1 to 255 second
OS Support	Windows 11, Windows 10, SUSE, Ubuntu, Wind River, Red Hat Enterprise

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
PADR-M102-910-S001	Intel® Core I3-8145U	Embedded box computer, 2*DDR4 SO-DIMM, 1*HDMI, 1*DP, 1*Line out&Mic, 2*LAN, 4*USB3.0, 3/4*COM, 8-bit DIO, 1*M.2 E-key, 1*Mini PCIe/mSATA, 1*2.5" SATA, DC 12V
PADR-M102-910-S002	Intel® Core I5-8265U	
PADR-M102-910-S003	Intel® Core I7-8565U	
PADR-M102-910-S004	Intel® Celeron 4305U	
PADR-M102-910-S001-WP	Intel® Core I3-8145U	Embedded box computer, 2*DDR4 SO-DIMM, 1*HDMI, 1*DP, 1*Line out&Mic, 2*LAN, 4*USB3.0, 3/4*COM, 8-bit DIO, 1*M.2 E-key, 1*Mini PCIe/mSATA, 1*2.5" SATA, DC 9-36V
PADR-M102-910-S002-WP	Intel® Core I5-8265U	
PADR-M102-910-S003-WP	Intel® Core I7-8565U	
PADR-M102-910-S004-WP	Intel® Celeron 4305U	
PA-60DC12 Components	AC/DC adapter, DC 12V/5A 60W+X standard power cable	