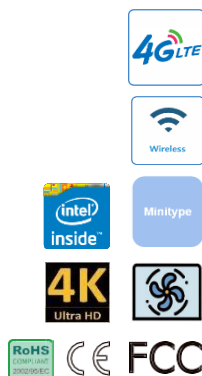


PADR-M102-718

Intel® Elkhart lake CPU, 1*DDR4, HDMI+DP, 2*LAN, 4*USB3.1, 3/4*COM, 1*DIO, 1*M.2 E-key / 1*M.2 B-key, 1*mSATA, 1*SATA3.0, DC 12V or DC 9-36V. **JHCTECH**

IoT Computer
Connecting the Data

Embedded Box Computer
-PADR Series



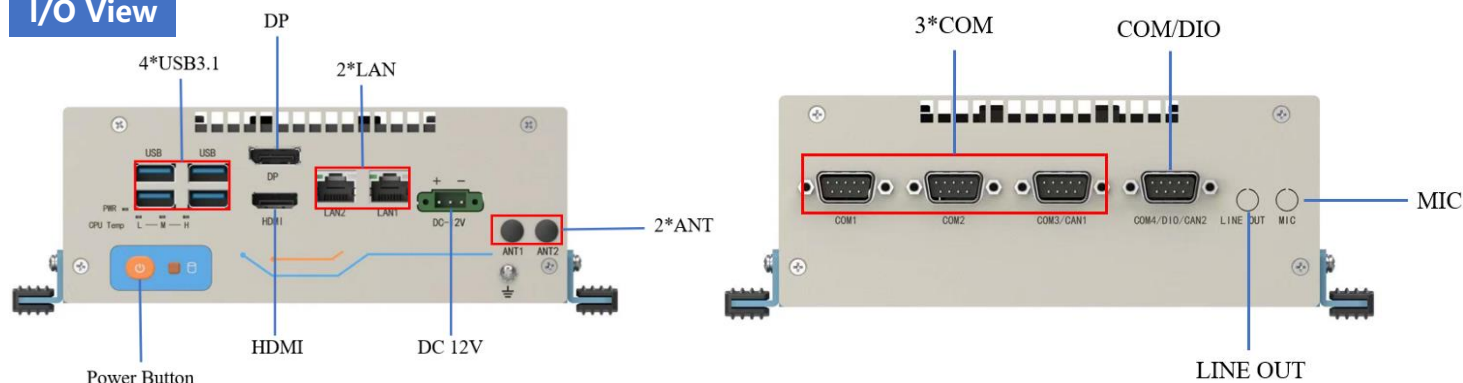
Key Features

- SGCC box design, 4-line temperature-controlled fan silent heat dissipation
- Intel® Elkhart lake Soc CPU
- 1*DDR4 3200MHz SODIMM, up to 32GB
- 1*HDMI, 1*DP, supports dual 4K display
- 1*Line out&Mic, 4*USB3.1
- 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*2.5 "SATA bay + 1*mSATA for storage
- DC 12V or DC 9-36V

Description

PADR-M102-718 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 ® Elkhart lake architecture, adopt Intel® Celeron series processor, 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

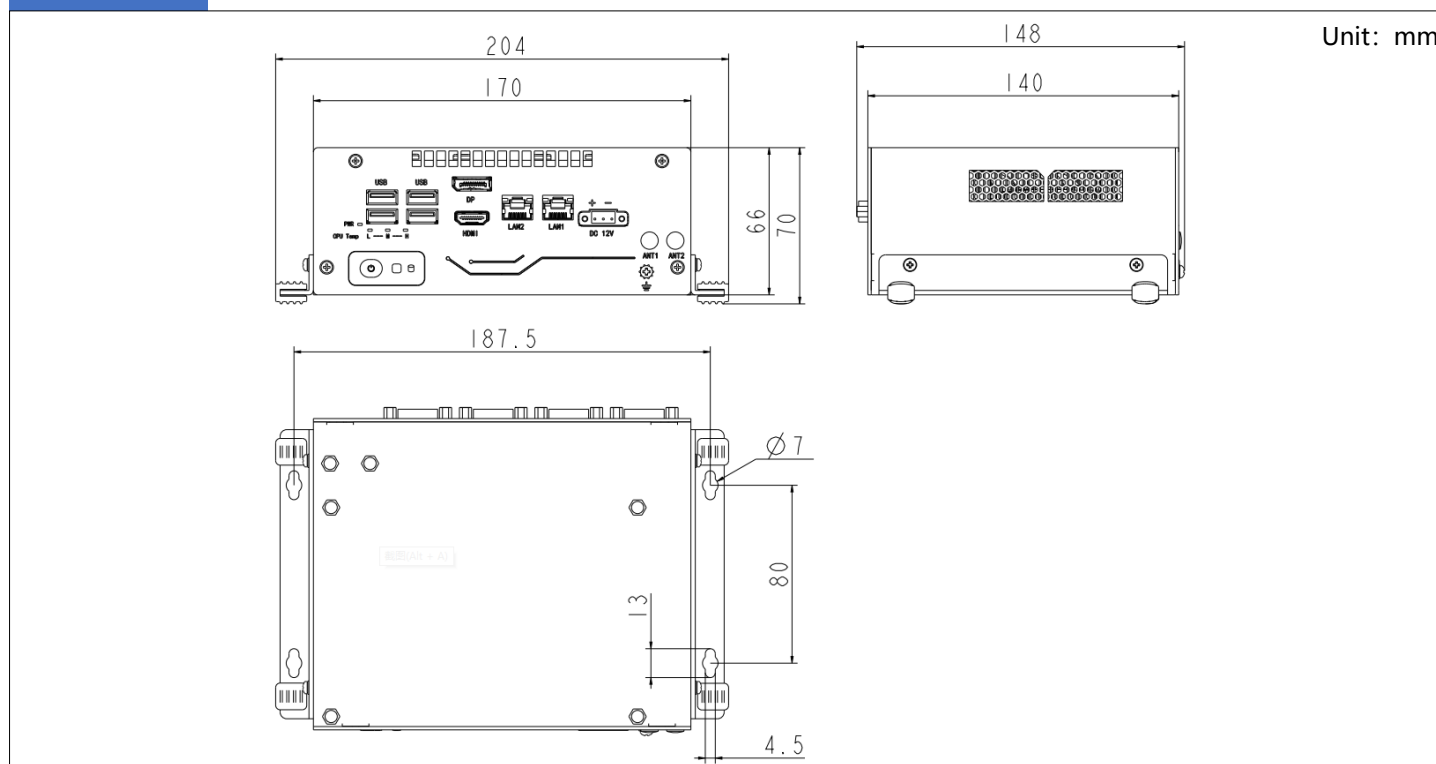


SPEC.

CPU	Intel® Elkhart lake SoC CPU: Celeron J6412 2.0-2.6GHz 4 cores 4 threads or Celeron N6210 1.2-2.6GHz dual-core dual-thread
Memory	1*260pin DDR4 SO-DIMM, 3200MHz, up to 32GB
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
Graphics	Intel Gen10 UHD Graphics, HW Encode: H.265/HEVC, H.264/MPEG-4 AVC, MPEG-2, JPEG/MJPEG ,VP8; HW Decode: H.265/HEVC, H.264/MPEG-4 AVC, MPEG-2, VC-1/WMV9, JPEG/MJPEG, VP8, VP9 HDMI2.0 max res. 4096*2304@60Hz, DP max res. 4096*2160@60Hz, support dual independent display
Audio	Realtek ALC897 controller, 1*Line out+1*Mic hi-fi audio, supports 5.1 channel
LAN	2*Realtek 8111H, 10M/100M/1000M self-adapt, supports WOL
Storage	1*2.5 "SATA bay, up to 15mm thick disk; 1*mSATA (with USB2.0 signal)
I/O Port	2*RS232/422/485 (DB9), 1*RS232(DB9), 1*8-bit DIO (DB9) optional supports for RS232 4*USB3.1, 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 10/Windows 11 64 bit, SUSE, Ubuntu, Wind River, Linux

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-M102-718-S001	Intel® Celeron J6412	Embedded box computer, 1*DDR4 SO-DIMM, 1*HDMI, 1*DP, 1*Line out&Mic, 2*LAN, 4*USB3.1, 3/4*COM, 8-bit DIO, 1*M.2 E-key/1*M.2 B-key, 1*mSATA, 1*2.5" SATA, DC 12V
PADR-M102-718-S002	Intel® Celeron N6210	
PADR-M102-718-S001-WP	Intel® Celeron J6412	Embedded box computer, 1*DDR4 SO-DIMM, 1*HDMI, 1*DP, 1*Line out&Mic, 2*LAN, 4*USB3.1, 3/4*COM, 8-bit DIO, 1*M.2 E-key/1*M.2 B-key, 1*mSATA, 1*2.5" SATA, DC 9-36V
PADR-M102-718-S002-WP	Intel® Celeron N6210	
PA-60DC12 Components	AC/DC adapter, DC 12V/5A 60W+X standard power cable	