

SIGM-2660

Intel® Elkhart lake Soc CPU, 1*DDR4 3200MHz, 1*LVDS, 2*VGA, 6*USB, 2*LAN, 12*COM, 1*CFast, 1*SATA, Audio out&Mic, 1*Mini-PCIe, DC-IN 9~36V

JHCTECH

IoT Computer
Connecting the Dots

Fanless Computer SIGM



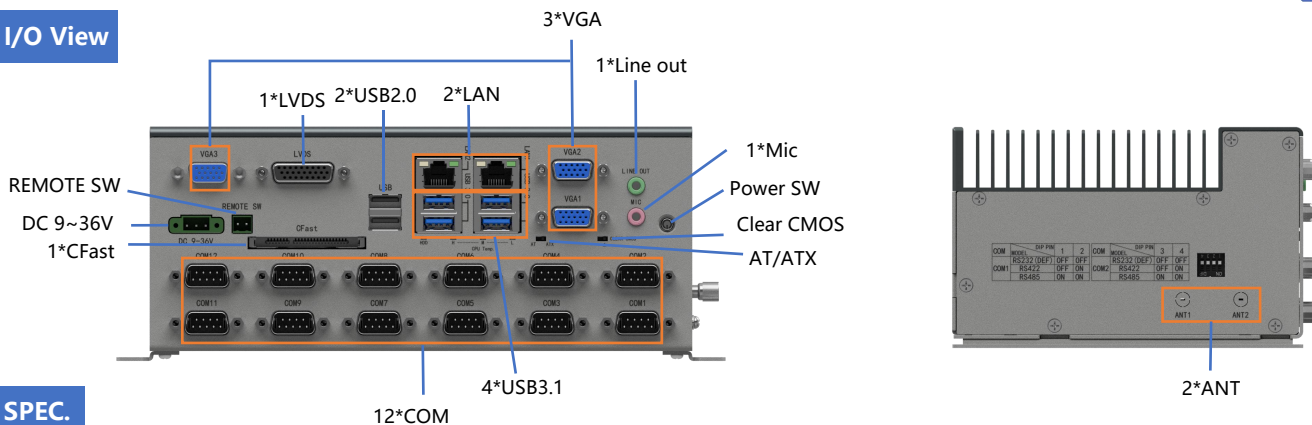
Key Features

- Intel® Elkhart lake Soc j6412 CPU
- 1*DDR4 3200MHz SODIMM, up to 32GB
- 1*LVDS+2*VGA or 3*VGA
- 2* RLT8111H dual Gigabit network ports
- 4*USB3.1, 2*USB2.0, 12*COM
- 1*Mini-PCIe, support WiFi or 4G LTE module
- 1*CFast, 1*2.5" SATA bay
- DC-IN 9-36V wide voltage supply
- Operating temperature -25°C to +60 °C

Description

The SIGM-2660 is a fanless rugged in-vehicle computer powered by an Intel® Elkhart lake SoC processor. Single-channel DDR4 3200MHz, memory up to 32GB. Power input DC 9~36V wide voltage power supply, suitable for rail AFC and rail screen door industry applications.

I/O View

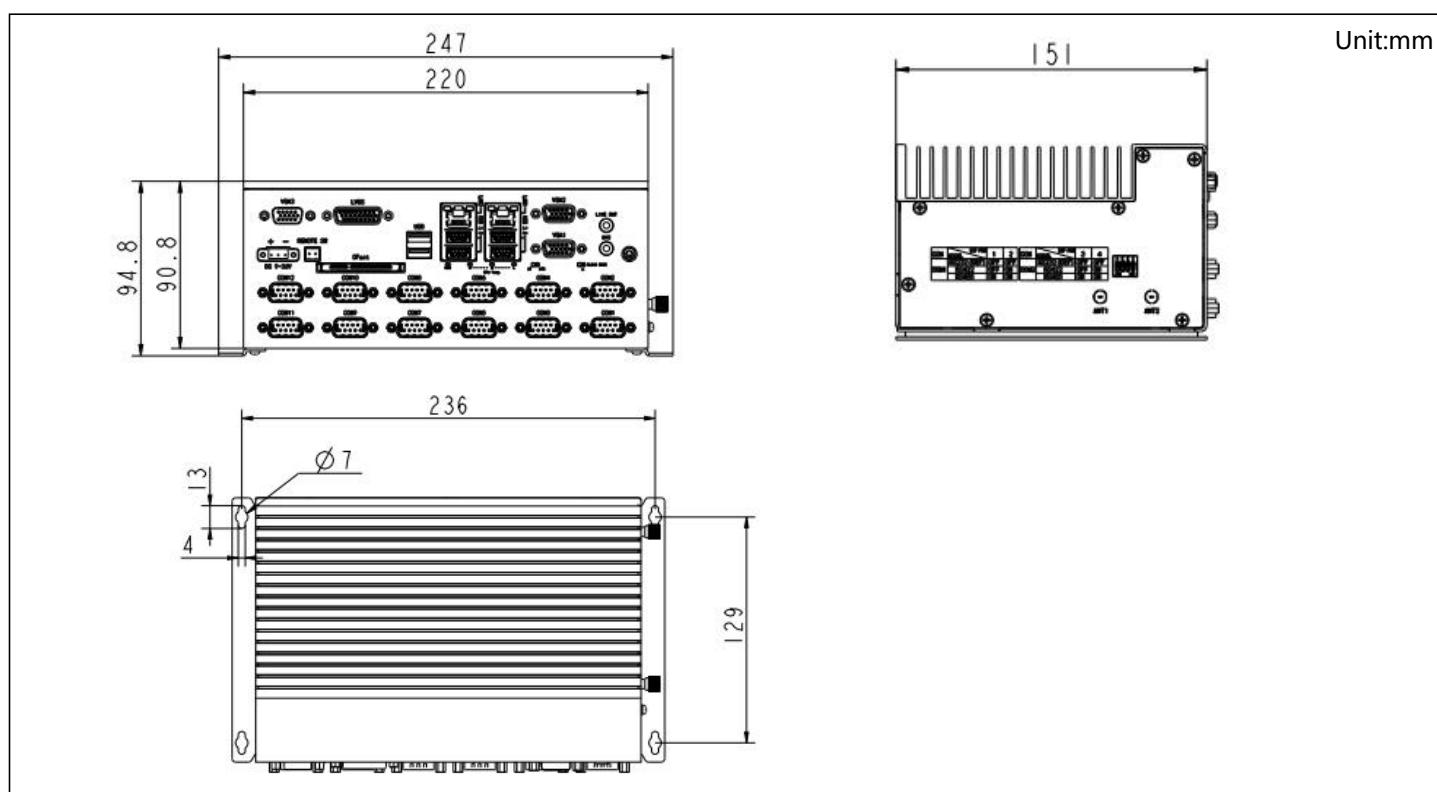


SPEC.

CPU	Intel® Elkhart lake Soc CPU
System Memory	Single-channel DDR4 3200MHz SODIMM, supporting up to 32GB
Expansion	1*Mini PCIe Full Size is expanded to support PCIe signal function module or Wifi module
Intel Graphics	CPU integrated Intel® UHD Graphics for 10th Gen Intel® Processors Highest resolution: LVDS is1920x1200@60Hz, VGA is 1920*1200@60Hz, support 3 independent displays
Audio	optional support Realtek ALC897, Audio out and MIC
LAN	2*RTL8111H chip Gigabit Ethernet port, support 10/100/1000Mbps rate adaptation
Storage	1*CFast card slot, 1*SATA3 2.5" SATA easy-plug Bay, dual storage
I/O ports	2*LAN (RJ45) 4*USB3.1 (Type A) , 2*USB2.0 1*Audio-out and 1*MIC (3.5mm phone jack) 1*LVDS+3*VGA 12*COM (2*RS232/422/485, 10*RS232,DB9 Male) 1*CFast, 1*2.5" SATA bay 1*Mini PCIe Full Size
LED	1* Power LED, 1* HDD LED 3*CPU temperature level LEDs (Red for alarm, Yellow for high temperature, Green for normal temperature) 4* Network Connection Status LEDs
Control SW	1*power button, 1*REMOTE switch, 1*AT/ATX switch, 1*Clear CMOS switch
Power Supply	Power module 9~36V input, 3-pin terminal port, TDP: 10W
Watchdog Timer	Programmable timeout interrupt or system reset, 1 to 255 seconds
OS Support	WIN10、Win11 and Linux

Structure	Aluminum moment profile cooling shell, stainless steel wire drawing box
Color	Silver gray
Mounting	Desktop installation/rack installation
Dimension	(W*H*D): 220*151*90.8mm (Without mounting bracket) 247*151*94.8mm (With mounting bracket)
Net weight	3.0 KG
Operating temperature	-25 ~ 60°C with 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)
Certification/EMC	CE/FCC Class A

Dimension



Ordering Info

Model No.	CPU	Introduction
SIGM-2660-S001	Intel® Elkhart lake J6412	Fanless In-Vehicle Computer, 1* DDR4 3200MHz SODIMM, 2*LAN, 4*USB3.1, 2*USB2.0, 12*COM, 1*Mini PCIe, 1*LVDS+2*VGA(or 3*VGA), 1*Audio out, 1*Mic, 1*CFast, 1* 2.5" SATA bay, DC-IN 9~36V
LVDS cable	LVDS+ backlight is one to two lines*1	
SATA cable	SATA+SATA Power cable *1	
power cable	AC/DC Power Adapter*1 (60W)	