

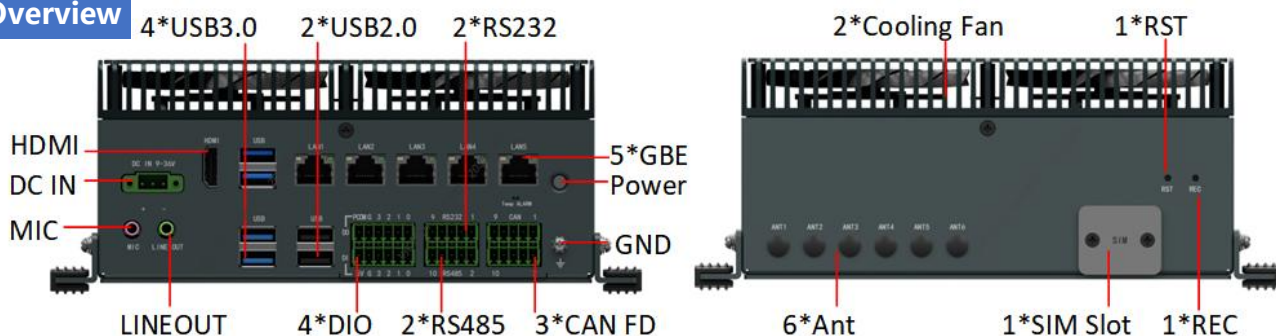
Key Features

- NVIDIA Jetson AGX Orin 32/64G, 200/275TOPS
- Onboard 32/64G 256bit LPDDR5 Ram
- Support 1*M.2 2280 M-Key NVMe SSD
- 1*HDMI, 1*line out, 1*MIC
- 5*LAN, 4*USB3.2, 3*CAN-FD
- 2*RS485, 2*RS232, 2*USB2.0, 8-bit DIO
- 1*M.2 B-Key support 4G LTE or 5G NR
- 1*M.2 E-Key support Wifi&BT wireless routes
- DC9~36V wide power input, with OVP, OCP and SCP
- Compact size, aluminum extrusion profile shell, combined active and passive heat dissipation structure

Product Overview

BRAV-7135 is equipped with NVIDIA AGX Orin 32/64GB module, 8/12 cores ARM CPU and high performance GPU, up to 200/275TOPS computility, onboard 32/64G memory, rich IO interface resources, DC 9-36V wide voltage power supply. It can be used as the main controller for Android, intelligent logistics, machine vision and other industries.

Interface Overview

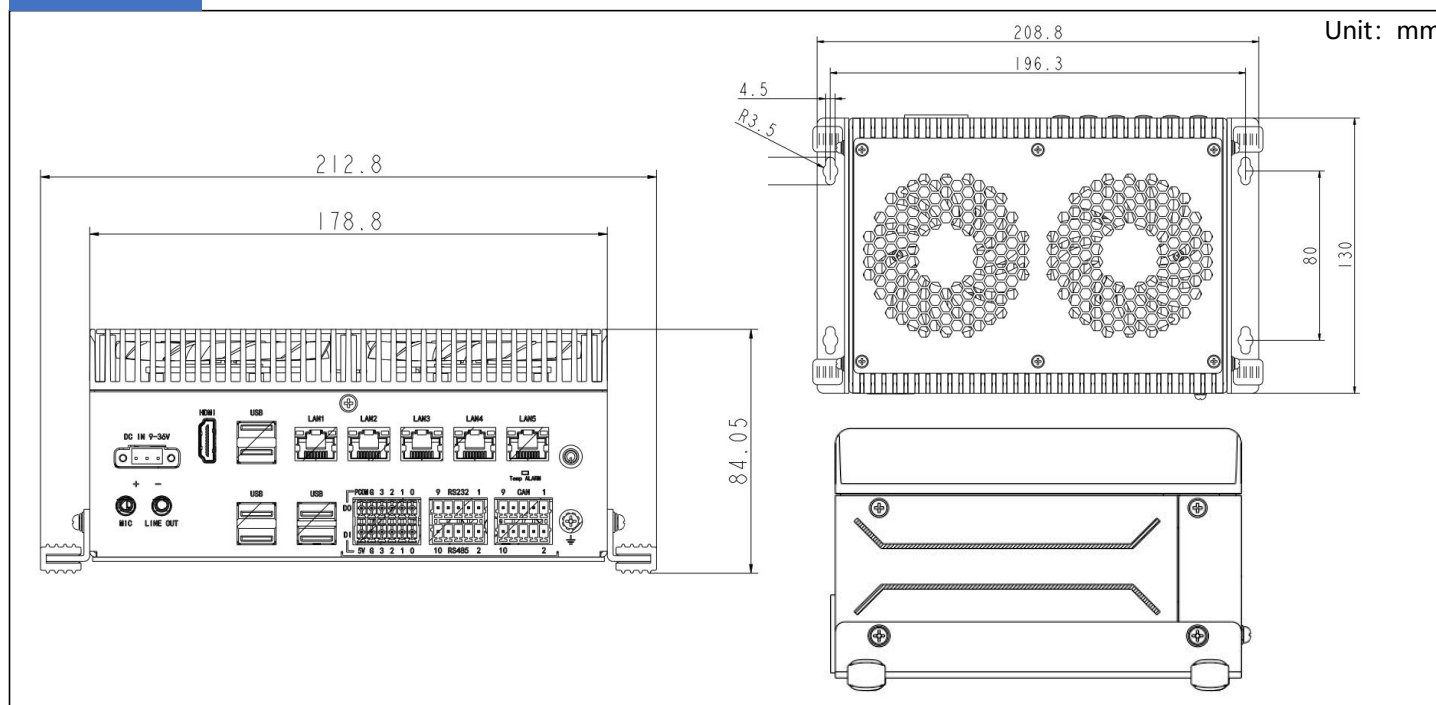


Product SPEC

CPU	8*Cores Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2+4MB L3, maximum frequency 2.2GHz(S001); 12*Cores Arm® Cortex®-A78AE v8.2 64-bit CPU 3MB L2+6MB L3,maximum frequency 2.2 GHz(S002)
GPU	1792*Cores NVIDIA Ampere Architecture GPU 930MHz, with 56*Tensor Cores(S001) 2048*Cores NVIDIA Ampere Architecture GPU 1.3GHz, with 64*Tensor Cores(S002)
Performance	200TOPS(S001), 275TOPS(S002)
Memory	Onboard 32GB(S001)/64GB(S002) 256-bit LPDDR5, the maximum bandwidth up to 204.8GB/s
Storge	1*M.2 Type 2280 M-Key, PCIeX4 signal, support NVMe high-speed memory card
Graphics/Audio	1*HDMI 2.0 interface, 1*line out, 1*MIC, Realtek ALC5640 audio, support stereo channel output
LAN	5*Intel I210AT PCIe Gig. Ethernet, 10/100/1000Mbps
USB	4*USB3.2(Type A), 2*USB2.0(Type A)
CAN	3* isolation CAN FD (Phoenix terminal interface)
COM	2*2.5KV Iso. RS232, 2*2.5KV Iso. RS485 (Phoenix terminal interface)
DIO	4-bit 2.5KV Iso. DI , 4-bit 2.5KV Iso. DO (Phoenix terminal interface)
Expansion	1*M.2 3042/3052 B-key, with SIM card slot, PCIe X1 + USB2.0 signal, support 4G LTE or 5G NR wireless function module; 1*M.2 2230 E-Key , PCIe X1 + USB2.0 signal, support gigabit bandwidth WiFi6/BT5.0 I-PORT reserved extended internal onboard signal (2*PCIeX1, 2*USB2.0, 2*I2C, 2*SPI)

LED	1*Power LED(on power button), 1*CPU temp warning LED
Control SW	1* Power button w/LED, 1*RST button, 1*REC button
Power Supply	DC 9~36V wide power input, 3-pin 3.81mm terminal block, with short circuit, over voltage and over current protection, TDP: TBD
OS Support	Linux Ubuntu 22.04 with JetPack6.2
Structure	Aluminum-magnesium alloy chassis, fan Cooling, SGCC frame
Color	Granite gray + Graphite black
Mounting	Desktop Mounting with anti-vibration rubber pads
Dimension	(L*W*H): Main box: 178.8*130*84mm; Including mounting bracket: 212.8*130*84mm
Net weight	2.55 KG
Operating temperature	-20°C ~ 60°C, airflow
Storage Temperature	-40°C~85°C
Storage Humidity	10~90%@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.	Module	Introduction
BRAV-7135-S001	Jetson AGX Orin 32GB memory, 64GB eMMC	1*HDMI, 5*RJ45, 4*USB3.2, 2*USB2.0, 2*RS485, 2*RS232, 3*Iso. CAN, 8-bit Iso. DIO, 1*Line out, 1*MIC, 1*M.2 B-Key w/SIM,1*M.2 E-key, 1*M.2 M-Key, DC-IN 9~36V
BRAV-7135-S002	Jetson AGX Orin 64GB memory, 64GB eMMC	
PA-120DC19	AC/DC power adapter, DC19V/6.32A,120W	