



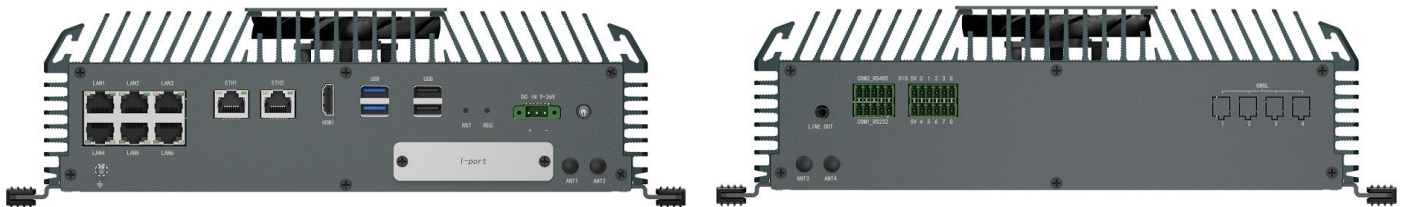
Key Features

- NVIDIA Jetson AGX Orin 32/64G, 200/275TOPS
- 8/12*Cores ARM Cortex-A78AE CPU, 2.2GHz(maximum frequency)
- NVIDIA Ampere GPU with Tensor Cores
- Onboard 32/64G 256-bit LPDDR5 RAM and 64GB eMMC, 2*M.2 M-Key NVME
- 1*HDMI, 1*Audio Line-out, 2*LAN, 6 Gigabit Ethernet ports on switches, 2*USB3.2, 2*USB2.0, 1*USB2.0 (inside) , 2*COM, , 8-bit DIO
- DC9~36V wide power input, with OVP, OCP and SCP
- Aluminum-magnesium alloy chassis, Fan cooling design
- Maximum support -30-80 temperature range

Product Overview

BRAV-7134 is equipped with NVIDIA Jetson AGX Orin 32/64GB module, 8/12 cores ARM CPU and high performance GPU, up to 200/275TOPS AI performance, onboard 32/64G memory and 64G storage. Maximum support -30-80 temperature range, DC 9-36V wide voltage power supply. It can be used as MEC(Multi-Access Edge Computing) for intelligent transportation, machine vision, intelligent logistics and other industries.

IO Layout

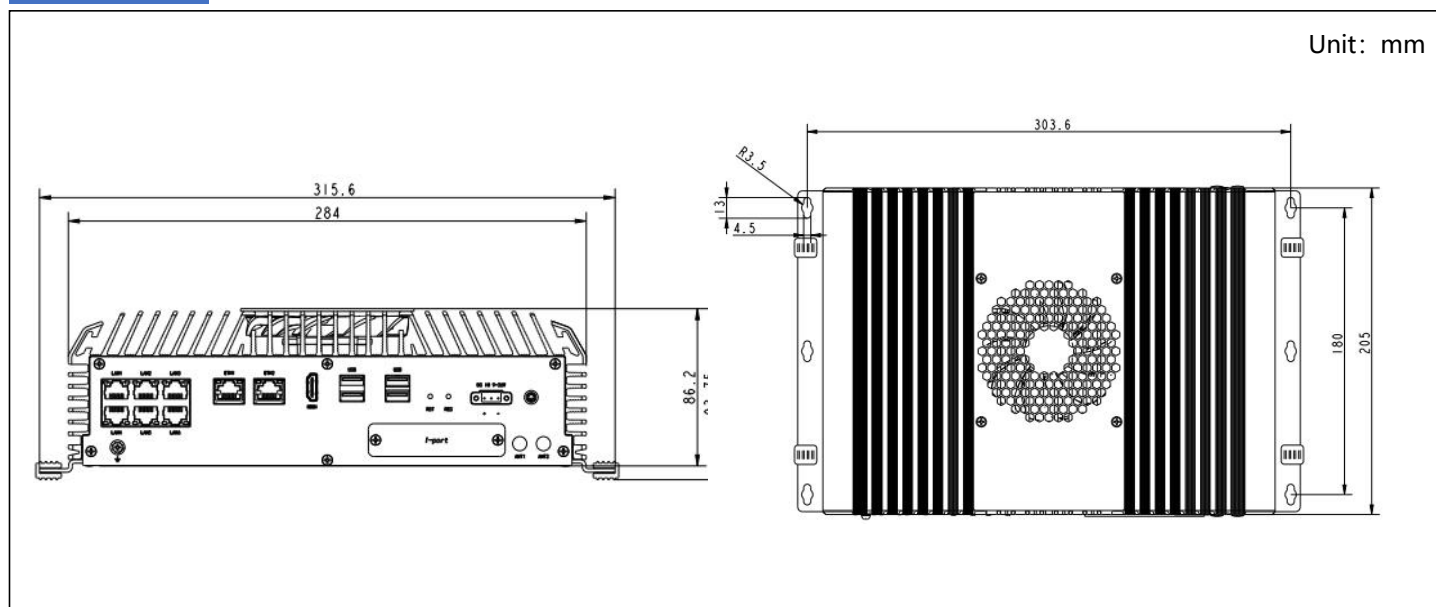


Product SPEC

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)
DL Accelerator VS Accelerator	2*NVDLA v2, PVA v2.0, AI performance up to 200(S001)/275(S002) TOPS(INT8)
Memory	Onboard 32GB(S001)/64GB(S002) 256-bit LPDDR5, the maximum bandwidth up to 204.8GB/s
Expansion	2*M.2 2280 M-Key , PCIe X4 signal, support NVMe high-speed memory card or edge AI computing module;
Graphics	Video code : (H.265)H.264, AV1:1 *4K60,3*4K30,6*1080p60,12*1080p30 (S001);2*4K60,4*4K30,8*1080p60,16*1080p30 (S002); Video decode : (H.265)H.264, VP9, AV: 1*8K30,2*4K60,4*4K30,9*1080p60,18*1080p30(S001); 1*8K30,3*4K60,7*4K30,11*1080p60,22*1080p30(S002); The highest resolution of HDMI 2.0 is 4096*2304@60Hz
Audio	Realtek ALC564, support stereo channel output
LAN	2*Intel I210IT PCIe Gig. Ethernet, 10/100/1000Mbps, support 6 Gigabit Ethernet ports on switches optional
Storage	Onboard 64GB eMMC 5.1, 2*M.2 2280 M-Key, PCIe X4 signal, support NVMe high-speed memory card.
DIO and serial port	8-bit DIO; 1*RS485 + 1*RS232
I/O Interface	1*HDMI, 1*Audio Line-out, 2*LAN, 6 Gigabit Ethernet ports on switches, 2*USB3.2, 2*USB2.0, 1*USB2.0 (inside) , 2*COM,8-bit DIO

LED	1*Power LED(on power button), 1*HDD LED, 1*CPU temp warning LED
Control SW	1* Power button w/LED, 1*RST button, 1*REV button
Power Supply	DC 9~36V wide power input, 3-pin 3.81mm terminal block, with short circuit, over voltage and over current protection
OS Support	Linux Ubuntu 18.04 and 20.04 with JetPack 5.1.2
Structure	Aluminum-magnesium alloy chassis, fan Cooling, SGCC frame
Color	silver gray
Mounting	Desktop Mounting with anti-vibration rubber pads
Dimension	(L*W*H): Main box: 284*205*86.5mm;
Net weight	TBD
Operating temperature	Maximum support -30-80 temperature range
Storage Temperature	-40°C~85°C
Storage Humidity	10~90%@40°C, Non-condensing
Vibration	5grms/5~500Hz/random/in working (SSD);
Shock	50g peak acceleration(11ms duration)(SSD);
Certification /EMC	CE/FCC Class A

Dimension



Ordering Info.

Model No.	Module	Introduction
BRAV-7134-S001	Jetson AGX Orin 32GB memory, 64GB eMMC	standard configuration: 1*HDMI、 1*Audio Line-out, 2*LAN, 2*USB3.2, 2*USB2.0, 1*USB2.0 (inside) , 2*COM, 8-bit DIO, 2*M.2 M-Key, 1*I-port, DC-IN 9~36V Optional: ECB-309 4*GMSL ECB-3010 6 Gigabit LAN on switch
BRAV-7134-S002	Jetson AGX Orin 64GB memory, 64GB eMMC	
PA-120DC19	AC/DC power adapter, DC19V/6.32A,120W	