

Nord Technology

Distributor of JHCTECH hardware in Europe

NORD TECHNOLOGY CONTACT INFORMATION

World Trade Center
Borupvang 3,
2750 Ballerup,
Denmark

 **Tel.:** +45 70 27 04 15
 **Email:** sales@nord-t.eu
 **Website:** www.nordtechnology.dk

BRAV-7138





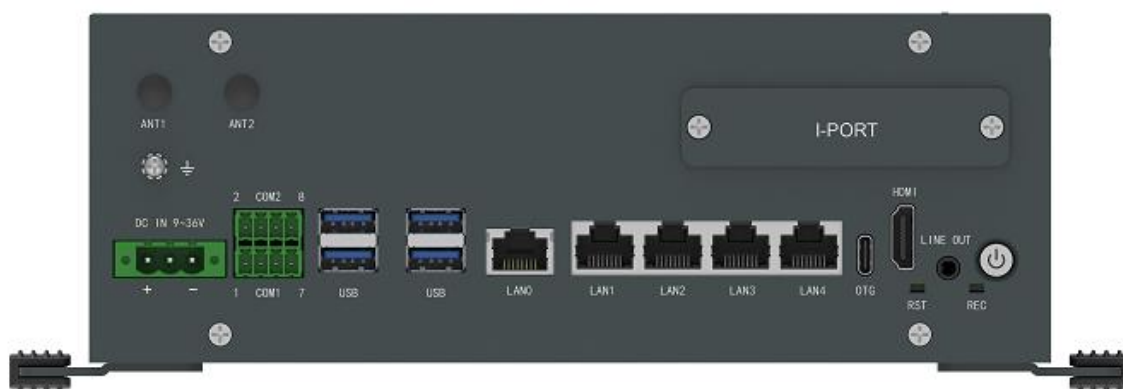
Key Features

- NVIDIA Jetson AGX Thor 64/128G, 1200/2070 TFLOPS (FP4)
- 12/14 cores Arm® Neoverse®-V3AE 64-bit CPU, maximum frequency 2.6GHz
- NVIDIA Blackwell GPU with 64/96Tensor Cores
- Onboard 64/128G 256-bit LPDDR5 memory 273GB/s
- 2*M.2 M-Key NVME, support Soft RAID 0/1
- 1*HDMI+1*Line-out/Mic, 4*GbE LAN, 1*10 GbE LAN, 4*USB3.2, 1*RS485+RS232, 2*CANFD, 1*M.2 B-Key+SIM, 1*MiniPCle
- DC 9~36V wide power input, with OVP, OCP and SCP

Product Overview

BRAV-7138 is equipped with the NVIDIA Jetson AGX Thor module, featuring 12/14-cores ARM CPU and high-performance GPU, delivering a maximum inference performance of 1200/2070 TFLOPS, with onboard 64/128GB memory, DC 9-36V wide-voltage power supply, and an operating temperature range of -10°C to 50°C. It is applicable to industries such as semiconductor inspection, smart education, unmanned retail, edge-side servers, etc.

IO Layout

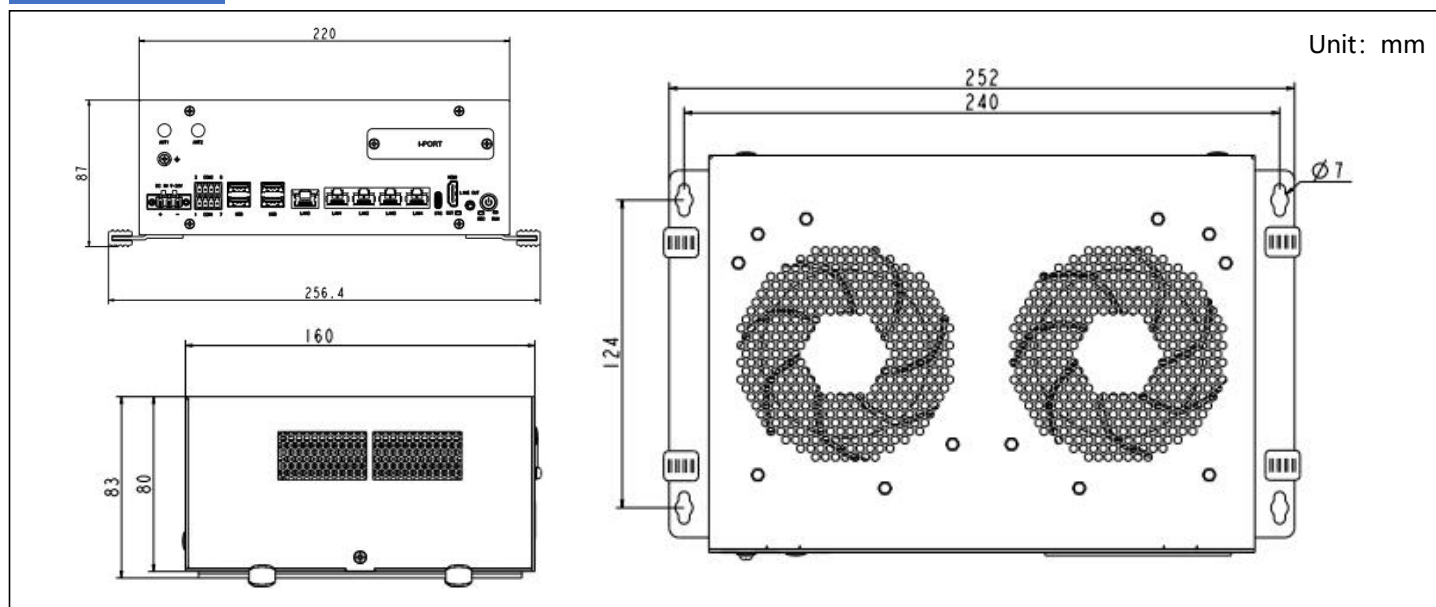


Product SPEC

CPU	12*Cores Arm® Neoverse®-V3AE 64-bit CPU 1MB L2 + 16MB L3, Maximum CPU Frequency up to 2.6 GHz(S001) 14*Cores Arm® Neoverse®-V3AE 64-bit CPU 1MB L2 + 16MB L3, Maximum CPU Frequency up to 2.6 GHz(S002)
GPU	1536*Cores NVIDIA Blackwell Architecture GPU 1.57GHz, with 64*Tensor Cores; 6 TPC Multi-Instance GPUs(S001) 2560*Cores NVIDIA Blackwell Architecture GPU 1.57GHz, with 96*Tensor Cores; 10 TPC Multi-Instance GPUs(S002)
AI performance	Maximum Inference Performance up to 1200(S001)/2070(S002) TFLOPS(FP4)
Memory	Onboard 64GB(S001)/128GB(S002) 256 bit LPDDR5, the maximum bandwidth up to 273 GB/S
Expansion	2*M.2 2280 M-Key, 1*M.2 3042/3052 B-Key +SIM, 1*MiniPCle
Graphics	Video code: 6x4Kp60 (H.265) ; 12x4Kp30(H.265) ; 24x 1080p60 (H.265) 50x1080p30 (H.265) ; 48x1080p30 (H.264); 6x 4Kp60 (H.264) Video code: 4x8Kp30 (H.265) ; 10x4Kp60(H.265) ; 22x4Kp30(H.265) ; 46x 1080p60 (H.265) 92x1080p30 (H.265) ; 82x1080p30 (H.264); 4x 4Kp60 (H.264)
Audio	Realtek ALC5640 audio, 1*Line-out+1*Mic (Wafer) ; 1*HDMI Type-A
LAN	4*GbE LAN RJ45, 1*10 GbE LAN RJ45;
Storage	2*M.2 2280 M-Key(support NVMe Ultra-High-Speed Solid-State Storage)
I/O interface	4*USB3.2 (Type-A) , 1*OTG (USB2.0 Type-C) , 2*CANFD (Wafer) ; 1*RS485 + 1*RS232 (2*5pin Term) ; 1*UART (Wafer) ; 1*Debug (Wafer) ;

LED	1*Power LED(on power button), 1*Running light
Control SW	1* Power button w/LED, 1*RST button, 1*REV button
Power Supply	DC 9~36V wide power input, 3-pin 5.08mm terminal block, with OVP,OCP and SCP; 5V/12V DC-OUT (Wafer)
OS Support	Linux Ubuntu 24.04 with JetPack 7.0+
Structure	Fan-cooled Enclosure, SGCC Cabinet
Color	Granite gray + Graphite black
Mounting	Desktop Mounting with Shock-absorbing Anti-slip Feet
Dimension	Main box(L*W*H): 220*160*80mm (without installation bracket, without dual SATA expansion) ; 220*160*102mm (without installation bracket, with dual SATA expansion) .
Net weight	2.75kg
Operating temperature	Maximum support range -10°C ~ 50°C
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);
EMC/Certification	CE/FCC Class A

Dimension



Ordering Info.

Model No.	Module	Introduction
BRAV-7138-S001	Jetson AGX Thor 64GB memory (T4000)	4*GbE, 1*10GbE, 4*USB3.2, 1*OTG, 1*HDMI, 1*Line out +1*Mic, 1*RS485+1*RS232+2*UART, 2*CAN FD, 2*M.2 M-Key, 1*M.2 B-Key+SIM, 1*MiniPCIe, 1*I-port, DC-IN 9~36V, 1*DC-OUT 5v+12v
BRAV-7138-S002	Jetson AGX Thor 128GB memory (T5000)	
PA-120DC19	AC/DC power adapter, DC19V/6.32A,120W	
PA-220DC24	AC/DC power adapter, DC24V@9.17A ,220W	