

ABOX-2130

AI edge computing with NVIDIA Jetson Xavier NX platform

Specification

V1.0

Key features:

- 6-Core NVIDIA Carmel Arm v8.2 64-bit processor;
- 384 core NVIDIA Volta GPU with 48 Tensor Core, 1100 Mhz;
- AI performance 21 TOPS;
- On-board 8GB memory, On-board 16GB eMMC, 1* M.2 Key-M 2280 SSD slot;
- 3*GLAN, 4*USB3.0, 1*HDMI, DC, OTG;
- 1*M.2 B-key 3042/3052 slot, 1*Mini-PCIe slot, 2* Nano Sim card slot;
- DC 12~28V power input, industrial operating temp. -20 ~ +60 °C.

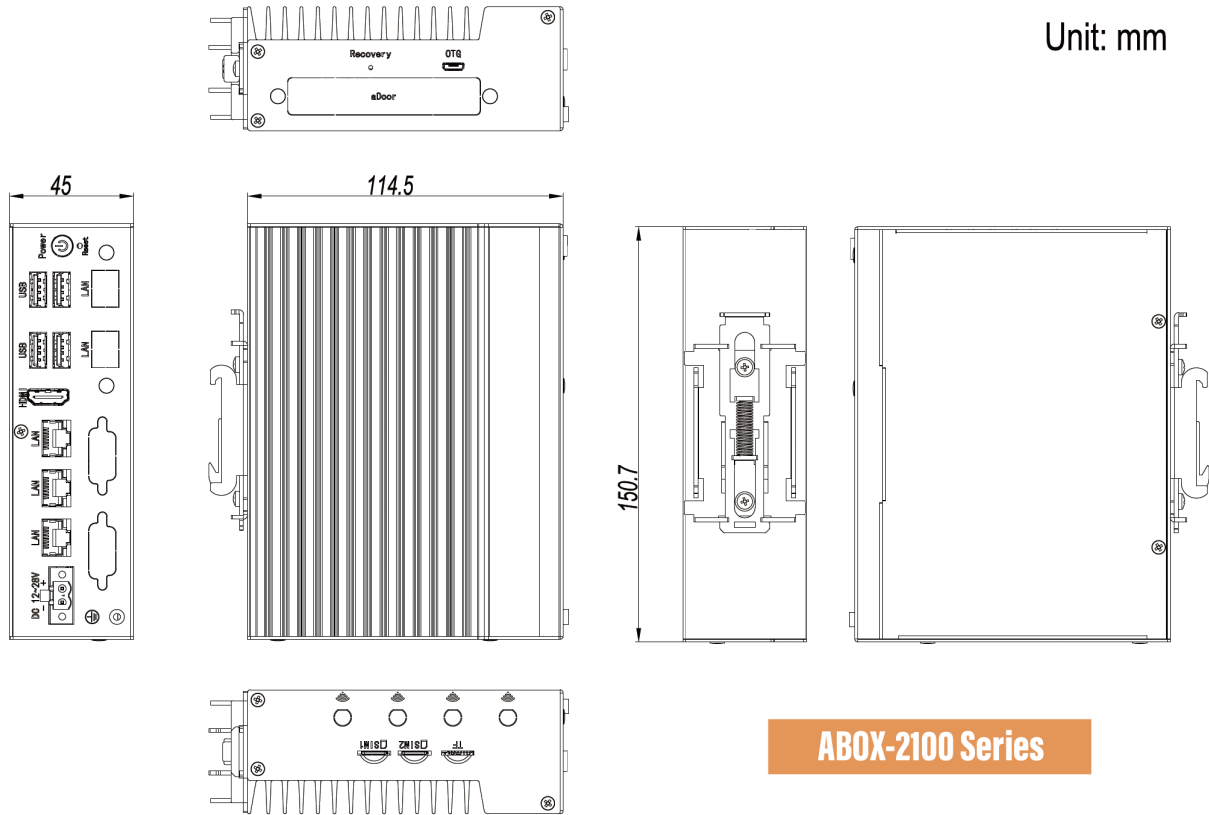
Product Image



Technical Data

System	
Processor	6-core NVIDIA Carmel ARM v8.2 64-bit processor, 6MB L2 + 4MB L3
AI	21 TOPS
GPU	1100 Mhz 384-core NVIDIA Volta GPU with 48 Tensor Cores
Display	1* HDMI (Type-A): Max. resolution up to 4K @60Hz
Memory	Onboard 8GB/16GB 128bit LPDDR4x 59.7GB/s
Storage	16GB eMMC 5.1, 1* M.2 2280 Key-M slot (NVMe, PCIe x1), 1* TF card slot
Network	1* GbE LAN (From SOM), 2* Intel I210AT GbE LAN
USB	4* USB3.0, 1*USB2.0(Internal, wafer), 1* Micro-USB (OTG)
Audio	ES8336 Audio chip (internal, wafer)
GPIO	16 bits DIO (Internal, wafer)
CAN	1* CAN-Bus (Internal, wafer)
DC	DC 12~28V (1* 2Pin Terminal)
Expansion	1* Mini-PCIe slot (PCIe x1, USB2.0) 1* M.2 B-key 3042/3052 slot (USB3.0 + USB2.0) 2* Nano SIM Card
Button/LED	1* Power button, with LED light 1* Recovery Button 1* System Reset Button
OS	JetPack 4.6.3
Structure	
Treatment	SGCC & Aluminum Alloy, Anodizing and painting
Color	Iron Grey
Cooling	Fan-less design
Weight	Around 1.5 kg (Net weight)
Dimension	150.7mmx 144.5mm x 45mm
Mounting	Desktop, Din-Rail
Environmental	
Operation temp.	Operating temp.: -20~60°C (Industrial SSD)
Storage	-40~80°C
Humidity	10%~95%@40°C, non-condensation
Vibration	3Grms@5~500Hz , random , 1 hr/axis ;
Shock	10G, half sine (11ms sec)

Dimension



Ordering Information

Part no.	Description
ABOX-2130	6-Core NVIDIA Carmel Arm v8.2 64-bit processor, 384-Core NVIDIA Volta GPU with 48 Tensor Cores, 21TOPS, 8GB memory, 16GB eMMc, 3*GLAN, 4*USB3.0, 1*HDMI, DC 12~28V, PSU
ABOX-2131	6-Core NVIDIA Carmel Arm v8.2 64-bit processor, 384-Core NVIDIA Volta GPU with 48 Tensor Cores, 21TOPS, 16GB memory, 16GB eMMc, 3*GLAN, 4*USB3.0, 1*HDMI, DC 12~28V, PSU