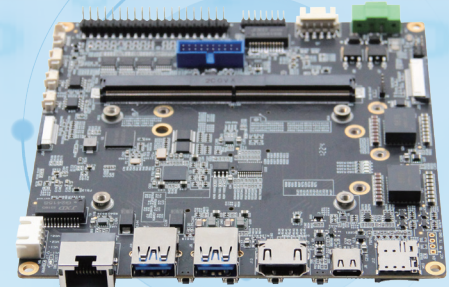


GC-A101 Carrier Board



Key Feature

- Based on Atlas 200I A2 Accelerator Module
- Display Interfaces: 1 × HDMI, 1 × MIPI DSI
- Rich I/O Interfaces: 2 × USB3.0 Type-A, 1 × USB3.0 Type-C, 1 × RJ45, 1 × Micro SD, 1 × RTC, 1 × Audio In, 2 × Audio Out
- Expansion Slots: 1 × miniPCIe, 1 × M.2 E-Key 2230, 1 × M.2 M-Key 2242, 1 × M.2 B-Key 3050, 1 × Nano SIM, 1 × SATA power interface
- Operating Temperature: -40°C ~ +85°C
- Input Voltage: DC 19V ~ 36V

Introduction

GC-A101 is an industrial-grade development board specifically designed for edge AI scenarios. Its core is equipped with the Ascend Atlas 200I A2 acceleration module, offering 8 TOPS or 20 TOPS computing power options, meeting the performance requirements for real-time AI inference in fields such as intelligent monitoring, smart education, autonomous robots, and drones.

To ensure stable operation in complex industrial environments, this carrier board fully adopts wide-temperature industrial-grade components and has implemented electrostatic safety protection designs for the main interfaces. Its highly reliable power supply solution and abundant external interfaces (including TF card slots and various boot media) provide high flexibility and compatibility for multi-scenario connection adaptation.



Website



Intelligent Security



Wisdom Education



Autonomous Robot

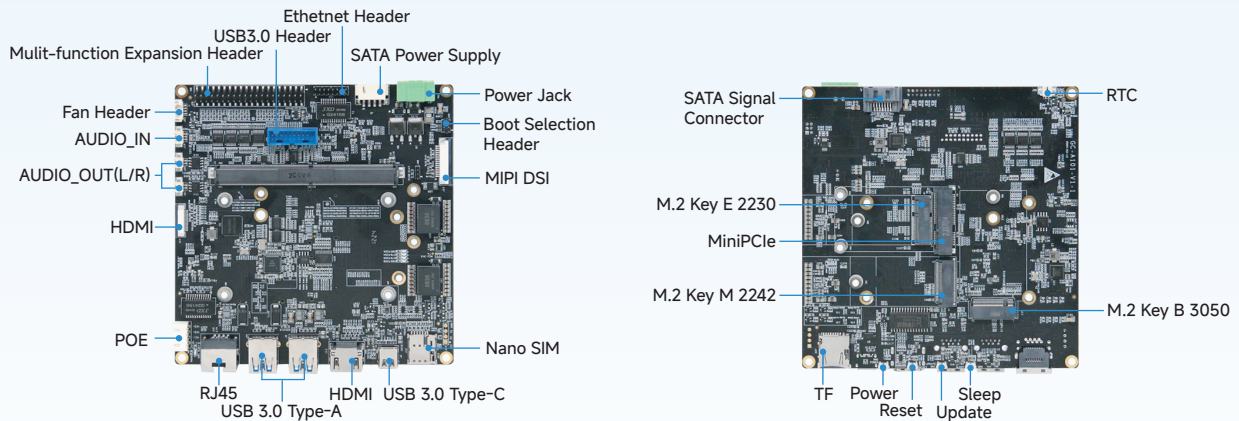


UAV

Specifications

Module	Ascend Atlas 200I A2
Display	1x HDMI、1x MIPI DSI
USB	2x USB 3.0 Type-A、1x USB 3.0 Type-C、1x USB3.0 HEADER
Networking	2x Gigabit network (1x RJ45+ 1x 16pin Header)
SD Card	1x Micro SD
Button	1x Power、1x Recovery、1x Reset、1x sleep
Expansion	1x miniPCle、1x M.2 Key E(2230)、1x M.2 Key M(2242)、1x M.2 Key B(3050)、1x nano SIM、1x SATA(Power Supply)
Functional Signals	1x AUDIO IN,2x AUDIO OUT,2x IIC,2x IIS,1x SPI,5x GPIO
Serial Ports	3x UART
Temperature	-40°C~+85°C
Dimensions	130.8mm*128.5mm*18.8mm
Power	DC 19V~36V
Weight	113g

Interfaces



Downloads

