seeed studio

INDUSTRIAL PRODUCT DATASHEET

A203 Mini PC with Jetson Xavier NX 8GB module, 128GB SSD, 2xUSB 3, RS232, WiFi/BLE, Aluminum case, Pre-installed JetPack 5.0.2

[image] https://wdcdn.qpic.cn/MTMxMDI3MDM3MDk4OTU2MzI_701989_nrYYlI9W4Jxra8X4_1673919518?w=1280&h=671.9610231425091 A203 Mini PC is a powerful and...

SKU	UPDATED	PRICE
114110147	2026-11-11 09:57:50	$699.00(Excl. VAT)



Overview



[image] https://wdcdn.qpic.cn/MTMxMDI3MDM3MDk4OTU2MzI_701989_nrYYlI9W4Jxra8X4_1673919518?w=1280&h=671.9610231425091 A203 Mini PC is a powerful and extremely small intelligent edge computer to bring modern AI to the edge, the smaller form factor than the Jetson NX Developer Kit delivers the same AI power up to 21 TOPs. The full system comes with a rich set of IOs—HDMI, USBs, RS232, CAN, etc.

Key Features

01 **Extremely small form factor full system**

100mm x 44mm x 59mm edge AI box packs Jetson Xavier NX 8GB production module, rich-interfaces carrier board, 128 GB NVME SSD, WIFI module, heatsink, fan, and enclosure case.

02 **Advanced embedded AI system**

384 NVIDIA CUDA® Cores, 48 Tensor Cores, 6 Carmel ARM CPUs, and two NVIDIA Deep Learning Accelerators (NVDLA) engines.

03 **Built with rich sets I/Os A203 carrier board**

1 x RJ45 Gigabit Ethernet, 1x HDMI, 1x Audio Jack, 2x USB 3, 1x Micro USB, CAN, microSD Card Slot, reset button.

04 **Energy efficient**

+9V to +19V DC Input @ 3A, Jetson Xavier NX module delivers server-class performance—up to 14 TOPS at 10W or 21 TOPS at 15W or 20W.

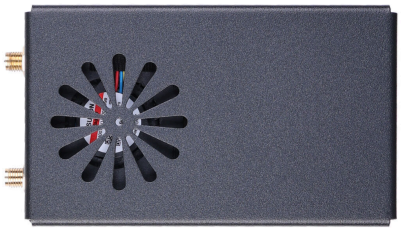
05 **Pre-installed NVIDIA JetPack 5.0.2**

support the entire Jetson software stack and various developer tools for building fast and robust AI application provided by Seeed Edge AI partners, helps develop innovative AI solution for manufacturing, logistics, retail, service, agriculture, smart city, healthcare, and life sciences, etc

06 **Certifications**

FCC, CE, RoHS

Product Gallery











Applications

- **We also have the following use case and application example compatible with Xavier NX to help you take reference.**
- **Industry 4.0:**
- **helmet detection, hard hat detection, and custom PPE detection**
- **visual anomaly detection using NVIDIA Deepstream IoT**
- **Robotics:**
- **under-ice sensing ROV**
- **warehouse towing robot**
- **Retail:**
- **sentiment analysis(webinar: learn your customer with AI by Zenus smart camera),**
- **retail store items detection**
- **Traffic management**
- **license plate detection**

Resource Links

- https://www.seeedstudio.com/A203-Mini-PC-with-128GB-SSD-p-5494.html
- A203 Mini PC _Specification.pdf
- A203 Mini PC Datasheet.pdf
- A203_Mini_PC_3D.stp

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