Z603 is a new Feiyun Smart Box™ based on the NVIDIA Jetson™ Xavier NX series module design. It has a built-in Xavier_NX module integrated with a 384-core Volta™ architecture GPU, pre-installed with the Ubuntu 18.04 operating system, and has 21TFLOPS of AI processing capabilities for floating-point operations. It adopts super strong and lightweight aluminum alloy material design, conductive heat dissipation, excellent heat dissipation capacity, small and light overall size, excellent engineering structure, reserved side wing structure for easy on-site installation, and has the ability to operate 7x24 hours on-site super long MTBF. It can be applied to autonomous machines such as robots, unmanned delivery vehicles, smart gates, and smart vending cabinets. It is an ideal carrier for deploying AI computing power at the edge for deep learning.