



Feiyun Smart Box Z508

PN: Z508

Version: V1.0



Z508 (V2.0) is a new Feiyun Smart Box™ based on the NVIDIA Jetson™ AGX Xavier series module design, built-in AGX Xavier module with integrated 512-core Volta™ architecture GPU, pre-installed Ubuntu 18.04 operating system, with 32TFLOPS floating point Computing AI processing capability, using super strong and lightweight aluminum alloy material design, Fan-type heat dissipation, excellent heat dissipation capability, small and light overall size, excellent ergonomic structure, reserved side wing structure for easy on-site installation, Possesses the ability to operate 7x24 hours long MTBF stably on site, 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.

Product standard

AI Core	
AGX Xavier	
CPU	8-core NVIDIA Carmel Arm®v8.2 64-bit CPU 8MB L2 + 4MB L3
GPU	512-core NVIDIA Volta™ GPU with 64 Tensor Cores
Interface	
Display	2 x HDMI 2.0 interface
USB	2 x USB3.1 interface (Type-A, Type-C, up to 1A current output), 2 x USB3.0 interface (Type-A, Type-C, support USB2.0 and USB3.0 signals, up to 1A current output), 1 x USB2.0 Micro Type-B, As a slave interface, connect Xavier debug serial port and ordinary serial port.
Network	2 x GbE (10/100/1000 BASE-T)
Serial port	3 x 3.3V UART
GPIO	4 x 3.3V Bit Programmable GPIO
SD	1 x Micro SD card slot
SIM	1 x Micro SIM card slot
PCIe	1 x Mini-PCIe interface
I2C	1 x 3.3V I2C interface
CAN	2 x CAN 2.0 interface
M.2	2 x M.2 key M interface, 1 x M.2 key E interface
I2S	1 x I2S interface
Camera interface	1 x Camera interface
SPI&GPIO	1 x SPI interface
Power requirement	+9V~+20V
Size	181mm×121mm×63mm
Cooling method	Fan type heat dissipation (built-in fan)
Operating temperature	-20~+60℃
Weight	1302.9g



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