



Feiyun Smart Box X508

PN: X508

Version: V1.0



X508 is a new Feiyun Smart Box™ based on NVIDIA Jetson™ AGX Xavier series modules. Built-in a 512-core Volta™ architecture GPU. It is pre-installed with the Ubuntu 18.04 operating system and has 32TFLOPS of AI processing capabilities for floating-point operations. It adopts super strong and lightweight aluminum alloy material design, Fanless structure conducts heat dissipation, With 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, smart vending cabinets, etc. 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 TYPE A 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	150mm×127.8mm×61.85mm
Cooling method	Conductive heat dissipation
Operating temperature	-20~+55℃
Weight	1240g



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