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

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<th><strong>AI Core</strong></th>
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<tr>
<td>AGX Xavier</td>
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| **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 |

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<th><strong>Interface</strong></th>
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**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 cards solt

**SIM**
- 1 x Micro SIM cards solt

**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°C

**Weight**
- 1302.9g