



# Feiyun Smart Box Z604

PN: Z604  
Hardware Version: V1.1



Z604 is a new Feiyun Smart Box™ based on NVIDIA Jetson Nano/Xavier NX/TX2 NX module design. It is pre-installed with Ubuntu 18.04 operating system. It is designed with super strong and lightweight aluminum alloy material, conductive heat dissipation, and excellent heat dissipation capacity. The overall size is small and lightweight, with a side wing structure that is convenient for on-site installation, and has a 7x24-hour long MTBF stable operation capability on site. It can be applied to autonomous machines such as robots, unmanned delivery vehicles, smart gates, and smart vending cabinets. It is the edge An ideal carrier for deploying AI computing power at the end for deep learning. Working temperature: -20℃—+60℃, low power consumption, high safety level, and can meet various harsh conditions.

Type	Z604	Z604-TX2 NX	Z604-Nano
Core	Xavier NX	TX2 NX	Nano
CPU	NVIDIA Carmel ARM v8.2 (6-core) @ 1.4GHz (6MB L2 + 4MB L3)	Dual-core Denver 264-bit CPU and quad-core Arm® Cortex®-A57 MPCore processor	Quad-core ARM Cortex- A57 MPCore processor
GPU	384-core NVIDIA Volta™ GPU with 48 Tensor Cores	256-core NVIDIA Pascal™ GPU	128-core NVIDIA Maxwell™ GPU
Memory	8GB LPDDR4	4GB LPDDR4	4GB LPDDR4
Storage	Built-in 16GB		
Computing power	21 TFLOPS	1.33 TFLOPS	472 GFLOPS

Type Interface	Z604	Z604-TX2 NX	Z604-Nano
Pre-Installed System	Ubuntu 18.04		
USB	4 x USB Type A interface, support usb2.0, usb3.0/usb3.1 signals, and provide 1.5A output current, 1 x Micro USB interface, support usb host and usb device modes, provide 0.5A output current		
HDMI	1 x HDMI 2.0 interface		
Network Port	2 x GbE (10/100/1000 BASE-T)		
M.2 interface	1 x M.2 KEY M interface (SSD optional); 1 x M.2 KEY E interface (5G module optional); 1 x M.2 KEY B interface (Bluetooth/WIFI module optional).		
Multi-function interface	1 x multi-function interface (Internal support 2 x CAN, 2 x RS485, 4 x GPIO (3.3V), 1 x Debug UART, 1 x POWER_BUTTON, 1 x RESET, 1 x RECOVERY)	1 x multi-function interface (Internal support 2 x RS485, 4 x GPIO (3.3V), 1 x Debug UART, 1 x POWER_BUTTON, 1 x RESET, 1 x RECOVERY)	
SD interface	1 x Micro SD interface		
SIM interface	1 x SIM(Nano) interface		
Dimensions	155mm*100mm*38mm		
Cooling method	Conductive heat dissipation (no fan)		
Power Requirements	+12V		
Operating Temperature	-20℃--+60℃		
Weight	About 659.5g		

