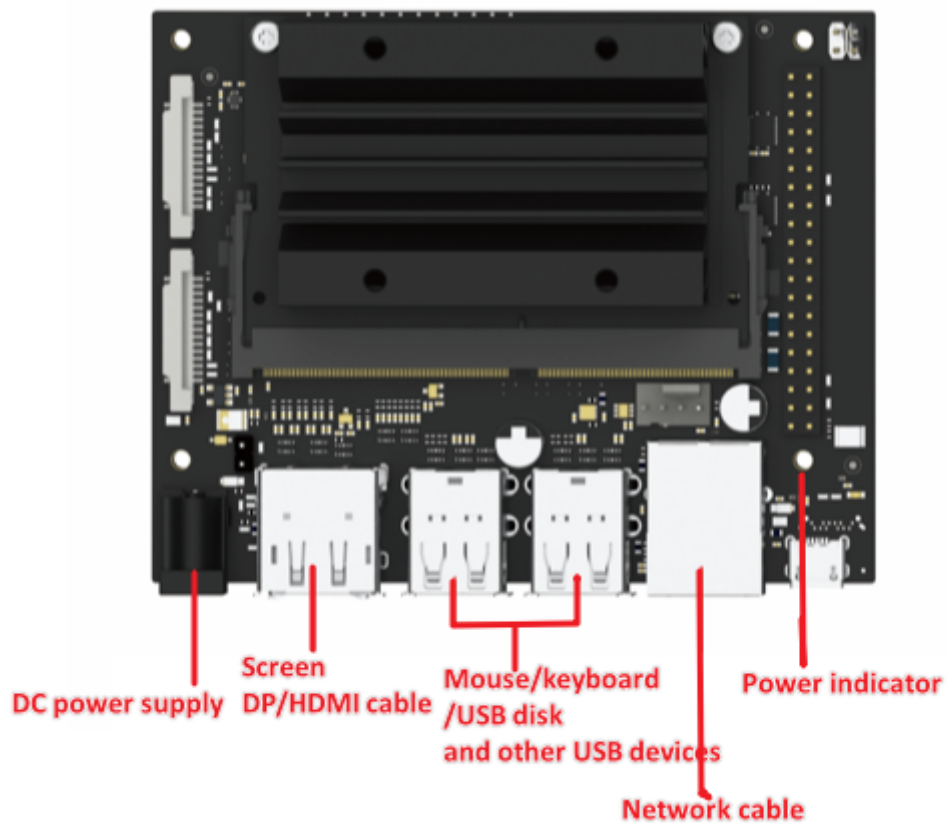
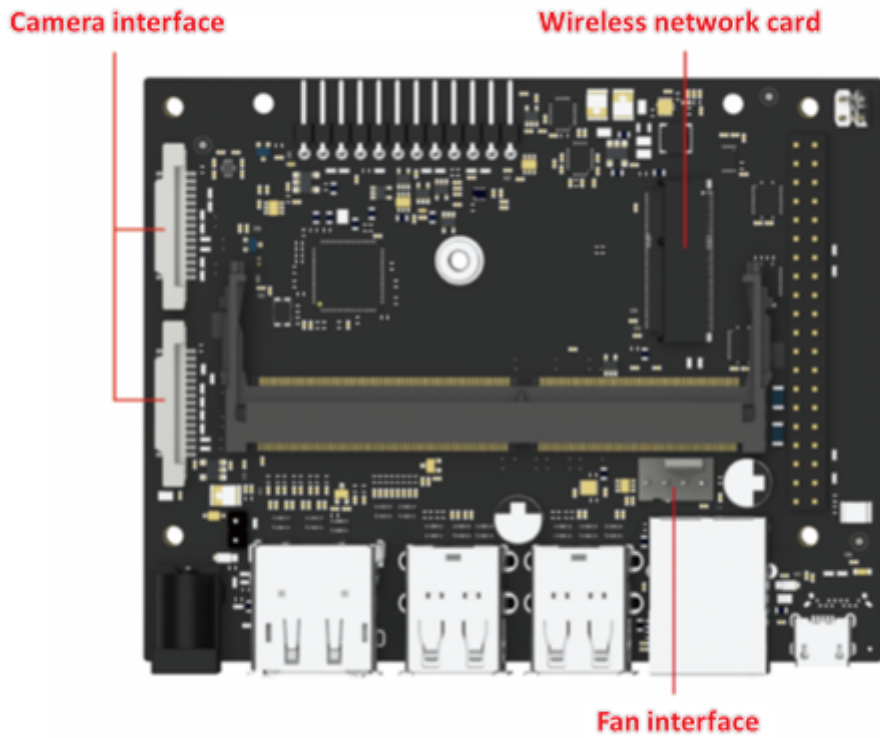


Introduction to the main control board

1. Introduction to the Jetson Nano motherboard

Motherboard interface



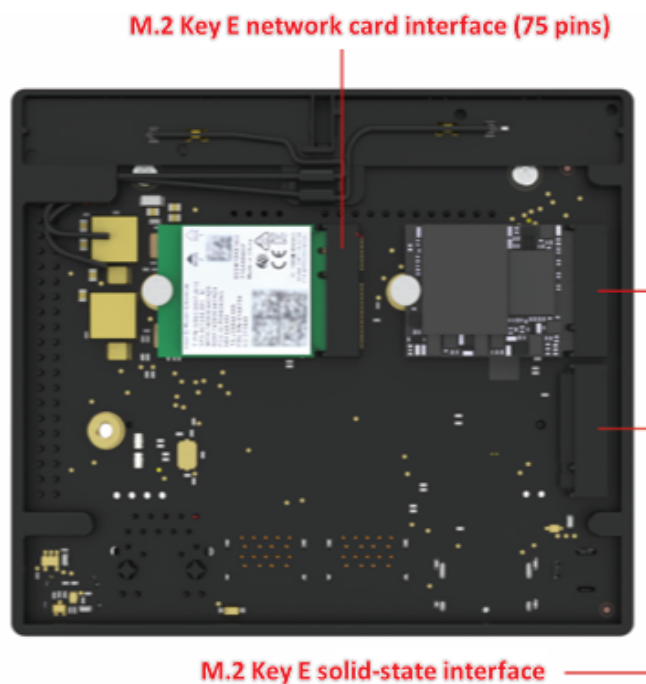
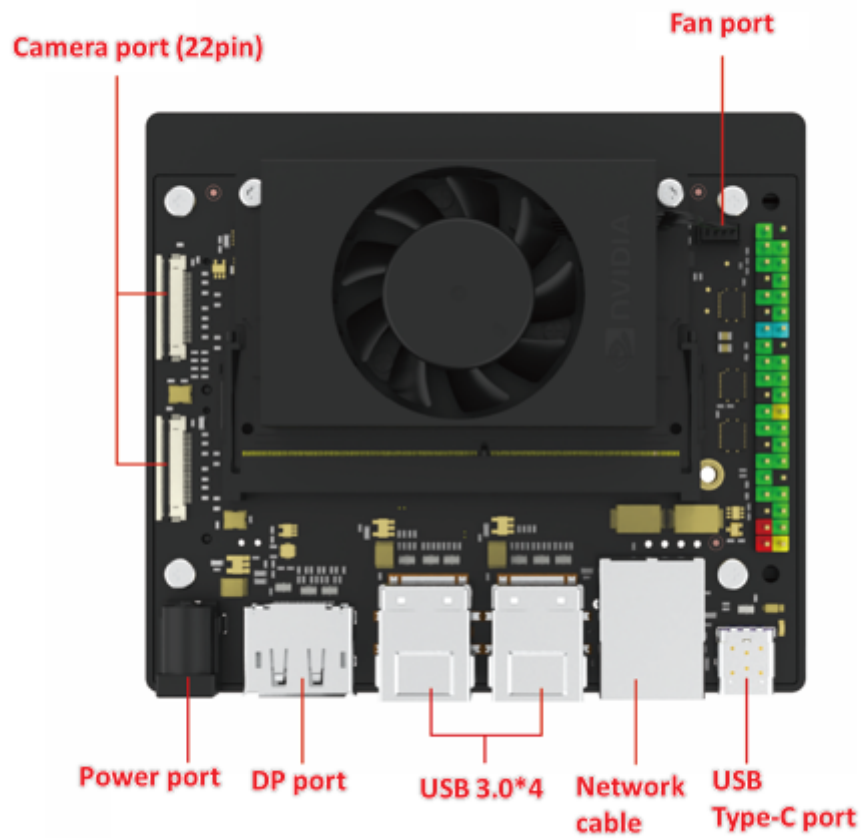


Jetson Nano(4G) related parameters

Jetson Nano	Parameters
Memory	4GB 64-bit LDDR4 25.6GB/s
AI performance	0.5TFLOPS
GPU	Equipped with 128-core NVIDIA Maxwell architecture GPU
GPU maximum frequency	921Mhz
CPU	4-core Arm® Cortex®-A57 MPCore processor
CPU maximum frequency	1.43GHz
Video memory	16GB 128-bit LPDDR5 102.4GB/s
Storage	Support external TF card/U disk
USB interface	4 USB3.0
Camera interface	2-way CSI interface
Video output interface	HDMI interface, DP interface
Data transmission interface	microUSB interface
M.2Key interface	M.2 Key E
IO interface	40PIN GPIO expansion interface
Power	5W~10W

2. Introduction to Jetson Orin NX motherboard

Motherboard interface

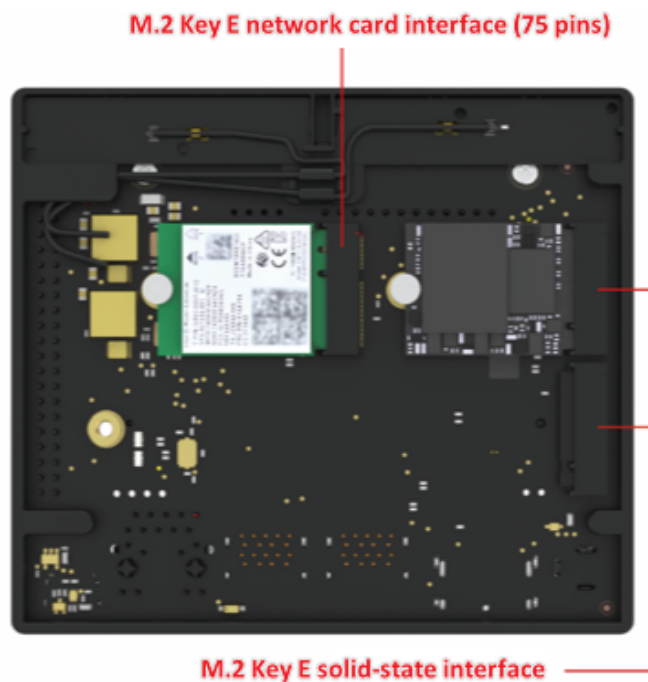
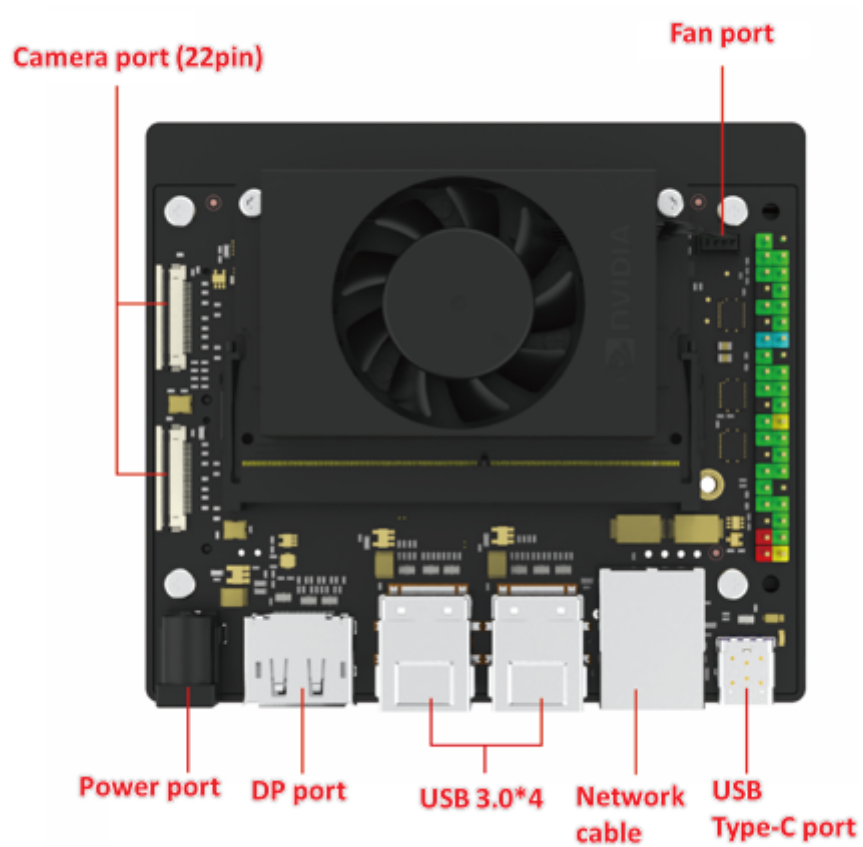


Jetson Orin NX(16G) related parameters

Jetson Orin NX	Parameters
Memory	16GB 128-bit LDDR5 102.4GB/s
AI performance	100tops
GPU	1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores
GPU maximum frequency	918 MHz
CPU	8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3
CPU maximum frequency	2 GHz
Video memory	16GB 128-bit LPDDR5 102.4GB/s
Storage	Support external NVMe
USB interface	4 USB3.0
Camera interface	2-way CSI interface
Video output interface	DP interface
Data transmission interface	Type-C interface
M.2Key interface	M.2 Key E+M.2 Key M*2
IO interface	40PIN GPIO expansion interface
Power	10W~25W

3. Introduction to Jetson Orin Nano motherboard

Motherboard interface



Jetson Orin Nano(8G) related parameters

Jetson Orin Nano	Parameters
Memory	8GB 128-bit LDDR5 68GB/s
AI performance	40tops
GPU	1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores
GPU maximum frequency	625 MHz
CPU	6-core Arm® Cortex®-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3
CPU maximum frequency	1.5 GHz
Video memory	16GB 128-bit LPDDR5 102.4GB/s
Storage	Support external NVMe
USB interface	4 USB3.0
Camera interface	2-way CSI interface
Video output interface	DP interface
Data transmission interface	Type-C interface
M.2Key interface	M.2 Key E+M.2 Key M*2
IO interface	40PIN GPIO expansion interface
Power	7W~15W