

Product Feature



- Jetson Orin Nano/NX SUPER Module
- Supports up to 16GB Memory, 157 TOPS
- Supports up to 8 ARM Cortex-A78AE cores, 2.0GHz
- 6 Gigabit Ethernet ports (one with POE)
- 3 x USB3.0 Type-A, 1 x USB3.0 Type-C
- Up to 8 GMSL2 inputs
- Supports WiFi, Bluetooth, 4G/5G, TPM 2.0, GNSS module
- Supports CAN bus, RS232/485 serial ports

Model		EII-6101E-A	EII-6101E-B	EII-6101E-C	EII-6101E-D
Chip/Processor	Chip	Orin Nano Super	Orin Nano Super	Orin NX Super	Orin NX Super
	Ram	4GB	8GB	8GB	16GB
	CPU	6-core A78AE 1.7 GHz	6-core A78AE 1.7 GHz	6-core A78AE 2.0 GHz	8-core A78AE 2.0 GHz
	NPU	34 TOPS	67 TOPS	117 TOPS	157 TOPS
	OS	Ubuntu22.04			
I/O port	USB	3 x USB3.0 Type-A, 1 x USB3.0 Type-C (Support OTG)			
	Expansion Port	2 x CAN, 2 x RS232, 9 x RS485: 1 x 12-pin aviation connector: 1 x RS232, 1 x RS485, 1 x CAN, 1 x 24V power; 1 x 28-pin automotive connector: 1 x RS232, 4 x RS485, 1 x CAN, with 12V power supply; 1 x 12-pin automotive connector: 4 x RS485, with 12V power supply; 1 x 40-pin automotive connector: 24-bit GPIO (including 8-bit with optocoupler isolation).			
	LED	8 x LED (1 x Power indicator, 1 x Hard disk indicator, 6 x Ethernet port indicators)			
	Botton	1 x Power button, 1 x Recovery button			
	GPU	NVIDIA Ampere GPU			
Video	input	2 x mini Fakra connectors (supports up to 8 GMSL2 inputs)			
	Output	1 x HDMI2.1, Up to 4096 x 2160 @60Hz			
	SSD	1 x 256G SSD (512G/1T)			
Storage	SSD	1 x 256G SSD (512G/1T)			
Audio	Audio Port	1 x 3.5mm Combo Jack, 1 x 12pinautomotive connector: 4 x DMIC、 2 x 5W AMP			
Network	Cable Network	6 x M12 circular connectors, 10/100/1000Mbps (one of which supports PoE)			
	Wireless Network	1 x WiFi 5/6 (supports Station/AP mode), 1 x 4G/5G module			
Power	Power Input	9~36V DC IN			
Others	System Support	Ubuntu22.04 (Jetpack6.2)			
	Watchdog	programmable second/minute unit with 255 adjustable levels			
	TPM	TPM 2.0			
	GNSS	RTK+DR (integrated IMU)			
	Debug	1 x TTL			
Installation Method	Installation	Standard desktop mounting, Wall-mounted			
Working environment	working temperature	-25~60℃ (-13~140 °F) w/ 0.7m/s airflow			
	storage temperature	-40~85℃ (-40~185 °F)			
	humidity	10% to 85% non-condensing			
	Shock Resistance	Using SSD: Operational shock resistance of 15G @ 11ms half-sine wave			
	Vibration Resistance	Using SSD: Operational, 2Grms@5~500Hz, IEC 60068-2-64			
Size	Dimensions	130*125*70mm			

Model	Module	CPU	RAM	NPU	TDP	TMP	AI Performance
SDC-6101E-A	Orin Nano 4G	6 cores	4G	/	25W	-25~80°C	34 TOPS
SDC-6101E-B	Orin Nano 8G	6 cores	8G	/	25W	-25~80°C	67 TOPS
SDC-6101E-C	Orin NX 8G	6 cores	8G	1x DLA v2	40W	-25~80°C	117 TOPS
SDC-6101E-D	Orin NX 16G	8 cores	16G	2x DLA v2	40W	-25~80°C	157 TOPS

Packing List

Components number	Description
Power adapter	Adapters, 90W,AC100~240V,24V ,M8 4pin circular connectors

Optional Accessories

SSD128GB	SSD128GB,M.2_M-KEY,2280, NVMe
SSD256GB	SSD256GB,M.2_M-KEY,2280, NVMe
SSD512GB	SSD512GB,M.2_M-KEY,2280, NVMe
SSD1TB	SSD1TB,M.2_M-KEY,2280, NVMe
SSD2TB	SSD2TB,M.2_M-KEY,2280, NVMe
4G/5GModule	4G/5GModule with Antenna
WiFi & Bluetooth Module	WiFi & Bluetooth Module with Antenna