

MA1

ShoeBoxPC • NVIDIA Jetson Orin NX & NANO • 100 TOPS Max • Edge AI

CPU : 6/8 cœurs Arm Cortex A78AE V8

GPU 512/1024 cœurs NVIDIA Ampere

Mémoire LPDDR5 4/8/16 GB

2 ports RJ45

2 USB 3.2 Gen 2 (jusqu'à 10Gbit/s) • 1 RS232

1 HDMI 2.0

1 M.2 2280 (NVMe) • 1 M.2 3042 Key B • 1 M.2 3030 Key E

Alimentation 12V DC / 220V AC



Système

CPU	Arm Cortex A78AE V8 6 / 8 cœurs
GPU	NVIDIA Ampere AGX ORIN 512 / 1024 CUDA
RJ45	2 Ports RJ45
Modularité	1 M.2 Key B • M.2 Key E • 1 M.2 2280
Stockage	M.2 2280 Key M (NVMe)
Mémoire	4 / 8 / 16GB LPDDR5
Entrées / Sorties	1 HDMI 2 USB 3.2 Type A 1 RS232 2 RJ45 1 OTG 1 DC bornier
Alimentation	AC 100~240V, 50Hz/60 Hz, DC 12 V

Communication

Ethernet	2 ports RJ45
WIFI (option)	WiFi 802.11 a/b/g/n/ac (2.4G+5.8G)
Bluetooth (Option)	BT 5
4G/5G (Option)	LTE FDD: B1/B3/B7/B8/B20/B28A WCDMA: B1/B2/B5/B8 GSM: B2/B3/B5/B8



Environnement

Temp. fonction.	-25°C ~ 60°C
Temp. Stockage	-40°C ~ 85°C
Humidité	10%~95%
Certification	FCC / CE

Dimensions / Construction

Matériau	Acier
Dimensions	90 x 125 x 65 mm (avec fixation)
Poids	Environ 2 kg
Fixation	Equerres de fixation

Références de commandes

	ENTRY		MAINSTREAM	
	Jetson Orin Nano Series		Jetson Orin NX Series	
	Jetson Orin Nano 4GB	Jetson Orin Nano 8GB	Jetson Orin NX 8GB	Jetson Orin NX 16GB
Power Consumption	5~10W	7~15W	10~20W	10~25W
AI Performance (INT8)	20 TOPS	40 TOPS	70 TOPS	100 TOPS
GPU	512-core NVIDIA Ampere architecture GPU with 16 Tensor Cores	1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores	1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores	
GPU Max Frequency	625 MHz		765 MHz	918 MHz
CPU	6-core Arm® Cortex®-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3		6-core Arm® Cortex® A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3	8-core Arm® Cortex® A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3
CPU Max Frequency	1.5 GHz		2 GHz	
DL Accelerator	-		1x NVDLA v2	2x NVDLA v2
DLA Max Frequency	-		614 MHz	
Vision Accelerator	-		1x PVA v2	
Memory	4GB 64-bit LPDDR5 34 GB/s	8GB 128-bit LPDDR5 68 GB/s	8GB 128-bit LPDDR5 102.4 GB/s	16GB 128-bit LPDDR5 102.4 GB/s
Video Encode	1080p30 supported by 1-2 CPU cores		1x 4K60 (H.265) 3x 4K30 (H.265) 6x 1080p60 (H.265) 12x 1080p30 (H.265)	
Video Decode	1x 4K60 (H.265) 2x 4K30 (H.265) 5x 1080p60 (H.265) 11x 1080p30 (H.265)		1x 8K30 (H.265) 2x 4K60 (H.265) 4x 4K30 (H.265) 9x 1080p60 (H.265) 18x 1080p30 (H.265)	

Options / Accessoires



Communications



Communications