

# JEA-E618

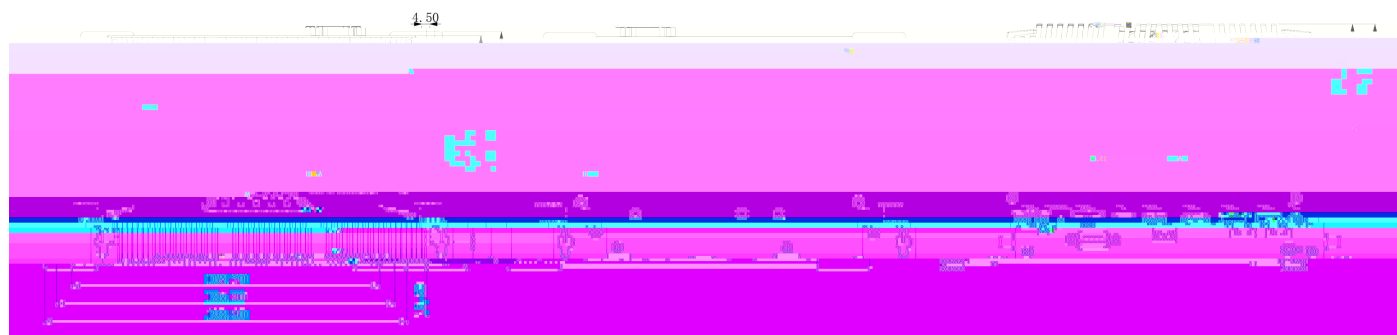
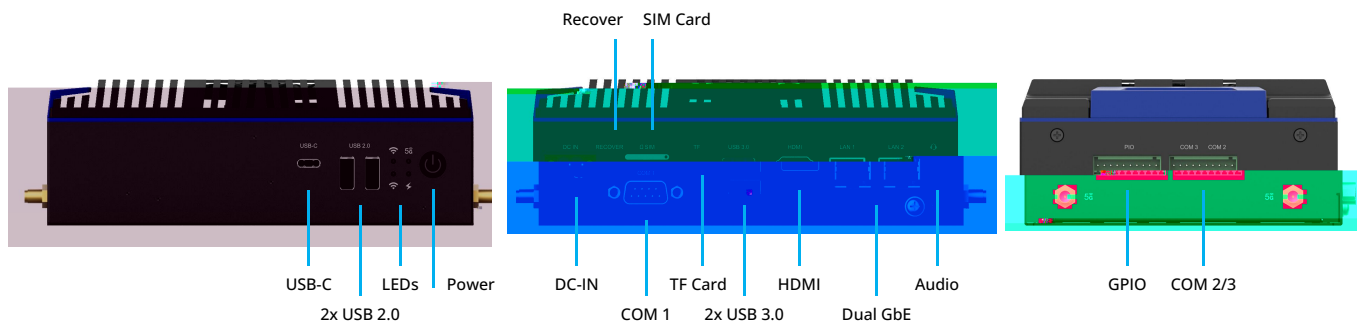
## NVIDIA Jetson Orin NX ARM



NVIDIA Jetson Orin NX 8GB/16GB  
Ampere GPU + Cortex-A78AE CPU  
117/157 INT8 TOPS AI

2x GbE 6x USB 3x COM 8x GPIO  
GPS WiFi 5G/4G LoRa  
M.2 NVMe SSD TF  
TPM/TCM

Linux Ubuntu OS + NVIDIA JetPack SDK



	AI	NVIDIA Jetson Orin NX 8GB	NVIDIA Jetson Orin NX 16GB
	AI	70 TOPS ( ) / 117 TOPS (SUPER)	100 TOPS ( ) / 157 TOPS (SUPER)
	GPU	1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores	1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores
	CPU	6-core Arm Cortex-A78AE v8.2 64-bit CPU	8-core Arm Cortex-A78AE v8.2 64-bit CPU
	NPU	1x NVDLA v2	2x NVDLA v2
		1x 4K 60 / 3x 4K 30 / 6x 1080p60 / 12x 1080p30 (H.265)	
		1x 8K 30 / 2x 4K 60 / 4x 4K 30 / 9x 1080p60 / 18x 1080p30 (H.265)	
		8GB 128-bit LPDDR5	16GB 128-bit LPDDR5
		1x M.2 2280 NVMe SSD (PCIe x4)	
		1x TF ,	
	NVIDIA Jetson integrated GbE and RTL8119I		
	2x RJ45, 10/100/1000 Mbps		
	WiFi	1x M.2 Key E, WiFi 5/WiFi 6	
	5G/4G	1x M.2 Key B, 4G/5G ; 1x Micro SIM	
	LoRa	1x Mini PCIe, LoRa	
		GPS , /	
	1x HDMI 2.1, 4K 60		
	1x 3.5mm Combo Jack		
I/O	USB	1x USB 3.0 Type-C, 2x USB 3.0 Type-A, 2x USB 2.0 Type-A	
		1x DB9 (RS-232/485 ) 1x 10Pin (1x RS-232+1x RS-485) 1x (RS-232/TTL )	
	CAN	1x ( DB9 )	
	GPIO	1x 10Pin (4 /4 )	
	RTC	CR2032 , Z32H330TC TCM/TPM 2.0	
		12V DC-IN 2P-5.08mm ,	
	/	, Recovery , , LED	
		187mm x 131mm x 54mm	
		Ubuntu 22.04 + JetPack 6.2 ( SUPER )	
		0-60 ( SSD , -20-70 ) -20-75	
	/	10%-90% RH, CCC, CE Class A	

# JEA-E618

	Jetson Orin					
JEA-E618S-ONX08	Jetson Orin NX 8GB	8GB LPDDR5	256GB SSD	WiFi 5	2x RS232 2x RS485	0-60
JEA-E618S-ONX16	Jetson Orin NX 16GB	16GB LPDDR5	512GB SSD	WiFi 5		0-60
JEA-E618L-ONX08	Jetson Orin NX 8GB	8GB LPDDR5	256GB SSD	WiFi 5	2x RS232 2x RS485	-20-70
JEA-E618L-ONX16	Jetson Orin NX 16GB	16GB LPDDR5	512GB SSD	WiFi 5		-20-70

Jetson Orin	
NVMe SSD	
60W	AC 100-240V to DC 12V/5.0A
	CCC 250V/10A

256GB NVMe SSD	OM8PGP4256Q-A0, M.2 2280 PCIe Gen4 x4 NVMe (0-70 )
512GB NVMe SSD	OM8PGP4512Q-A0, M.2 2280 PCIe Gen4 x4 NVMe (0-70 )
1TB NVMe SSD	OM8PGP41024Q-A0, M.2 2280 PCIe Gen4 x4 NVMe (0-70 )
256GB NVMe SSD ( )	TS256GMTE712A-VS1, M.2 2280 PCIe Gen4 x4 NVMe (-20-75 )
512GB NVMe SSD ( )	TS512GMTE712A-VS1, M.2 2280 PCIe Gen4 x4 NVMe (-20-75 )
1TB NVMe SSD ( )	TS1TMTE712A-VS1, M.2 2280 PCIe Gen4 x4 NVMe (-20-75 )
WiFi 5	AW-CB515NF 802.11ac WiFi 1T1R + BT 5.0 ,
WiFi 6	AW-XB547NF 802.11ax WiFi 2T2R + BT 5.2 ,
4G	EM05-CN LTE Cat 4 ,
5G	RM500U-CN 5G Sub-6 ,
5G	, ,
SSD	, ,
	, ,