

PE1100N

Arm System, NVIDIA Jetson, LPDDR5, USB3, Dual LAN, HDMI, M.2 E, M.2 M, M.2 B, AEM, Dual SIM, 12-24V

特性

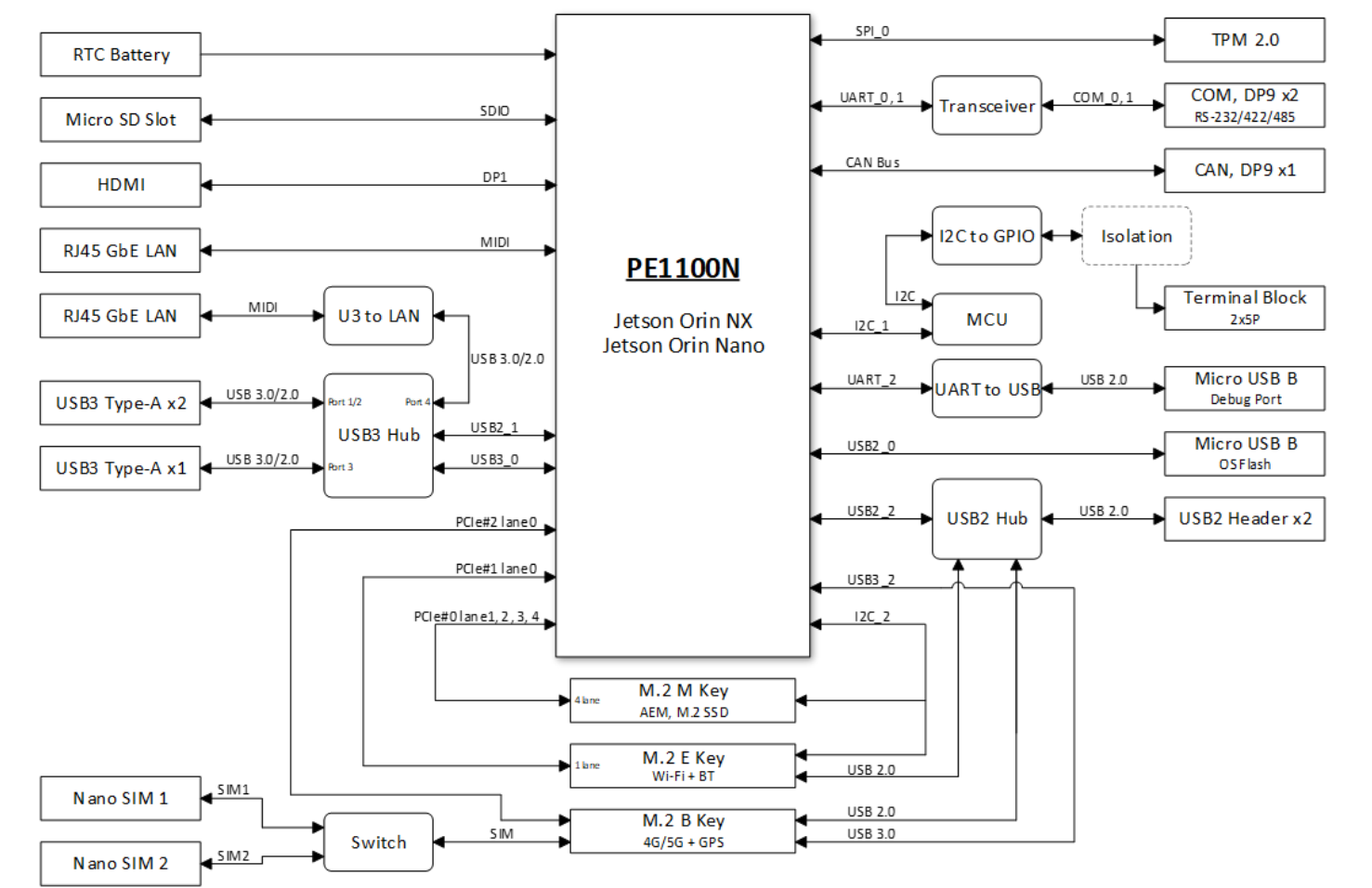
- 采用NVIDIA Jetson™ Orin™ NX、Orin™ Nano的智能边缘AI系统
- 无风扇设计，紧凑的尺寸和多样化的I/O
- 可通过可选模块连接Wi-Fi、BT和LTE
- 宽压输入和宽工作温度
- 支持ASUS扩展模块（AEM）



规格

处理器	SOM	Jetson Orin Nano 4G	Jetson Orin Nano 8G	Jetson Orin NX 8G	Jetson Orin NX 16G
	CPU	6 x Arm® Cortex®-A78AE v8.2			8 x Arm® Cortex®-A78AE v8.2
	GPU	512-core NVIDIA Ampere GPU with 16 Tensor Cores	1024-core NVIDIA Ampere GPU with 32 Tensor Cores		
	内存	4 GB 64-bit LPDDR5	8 GB 128-bit LPDDR5	8 GB 128-bit LPDDR5	16 GB 128-bit LPDDR5
有线接口	以太网	2 x 10/100/1000 Mbps, RJ45			
	USB (or 接针)	3 x USB 3.2 Gen1, Type-A 1 x USB 2.0, Micro-USB for OS Flash 2 x USB 2.0, Pin 接针 (内置)			
	COM	2 x RS-232/422/485, DB9 1 x CAN bus, DB9			
	DIO	4 x DI, 4 x DO (2x5 Terminal Block, w/ 隔离)			
	显示	1 x HDMI 1.4a, 3840 x 2160 @30Hz		1 x HDMI 2.0b, 3840 x 2160 @60Hz	
	调试接口	1 x 调试控制台, 通过Micro-USB			
无线	Wi-Fi	选配			
	Bluetooth	选配			
	Cellular	选配			
	GPS	选配			
扩展	M.2 M key	1 x 2242/2260/2280, for M.2 SSD (PCIe, 系统盘, 容量选配)			
	M.2 E key	1 x 2230, for Wi-Fi/BT (PCIe, USB 2.0, I2C and PCM)			
	M.2 B key	1 x 3042/3052, for 4G/5G (PCIe, USB 2.0/3.0)			
插槽	SIM	2 x nano-SIM 插槽			
电源	电源输入	12 ~ 24 VDC, 3-pin接线端子(1-pin用于远程电源按钮)			
机构	安装	壁挂式(带DIN导轨夹的支架组件)			
	尺寸	主板: 3.5", 146 x 105 mm 系统: 152 x 114 x 72 mm			
	重量	1.4 KG			
环境	运行温度	-20 ~ up to 50°C			
	存储温度	-40 ~ 85°C			
	相对湿度	10 ~ 95% (无凝结)			
安全	TPM	板载 TPM v2.0			
其他	看门狗定时器	支持. 硬件看门狗			
	操作系统	Ubuntu Desktop			

方框图



订购信息

PN	SoM	DRAM	Wi-Fi/BT* (M.2 E-Key)	SSD* (M.2 M-Key)	4G/5G* (M.2 B-Key)	O.P. 温度	PSU*	OS*
90AE0191-M*	Jetson Orin NX	16 GB	V	选配	选配	-20~50	V	V
90AE0191-M*	Jetson Orin NX	8 GB	V	选配	选配	-20~50	V	V
90AE0191-M*	Jetson Orin Nano	8 GB	V	选配	选配	-20~50	V	V
90AE0191-M*	Jetson Orin Nano	4 GB	V	选配	选配	-20~50	V	V

*可选和料号会因不同的法规和包装而不同。请咨询当地销售代表了解正确的90PN。

包装清单

说明	数量
适配器线缆DC转接线端子3 pin	1
壁挂支架套件	1
DIO接线板	1
防尘塞套件	1

可选配件(单独购买)

项目#	说明
Wi-Fi/BT 模块	
0C011-00214100	M.2 2230 802.11 a/b/g/n/ac + BT 5.0 (-40 to 85)
4G 模块	
0C031-00052500	M.2 3042 EM05-G LTE Cat.4 module (for Global) (-40 to 85)
5G 模块	
0C032-00020100	M.2 3052 RM520N-GL 5G NR module (for Global) (-40 to 85)
Wi-Fi/BT 天线	
14008-04490000	Omni-directional rubber duck Wi-Fi antenna, 2.4/5/6GHz, 3.83dBi
4G/5G 天线	
14008-05640000	Omni-directional rubber duck LTE/NR antenna, 617-960,1410-1610,1710-2690,3300-7125MHz, 4dBi
SSD	
03B03-00236400	SSD P3X4 128GB M2 2280 NVME
03B03-00422100	SSD P3X4 256GB M2 2280 NVME
03B03-00378200	SSD P3X4 512GB M2 2280 NVME

* 料号可能会有变动，下单前请与业务代表确认正确料号。

可选配件(单独购买)

项目#	说明
适配器	
0A001-01050900	65W Power adapter, input 100 - 240Vac, output 12Vdc / 5.41A, C14, 0 to 40°C O.P. temperature
0A001-00891600	65W Power adapter, input 100 - 240Vac, output 19Vdc / 3.42A, C6, 0 to 35°C O.P. temperature
电源线	
14009-00021400	C14 Power cord with United States (US) plug, 180cm
14009-00021000	C14 Power cord with Europe (EU) plug, 180cm
14009-00021100	C14 Power cord with China (CN) plug, 180cm
14009-00020600	C14 Power cord with Japan (JP) plug, 180cm
14009-00020800	C14 Power cord with Australia (AU) plug, 180cm
14009-00020900	C14 Power cord with United Kingdom (UK) plug, 180cm
14009-00021000	C14 Power cord with Korea (KR) plug, 180cm
14009-00020700	C14 Power cord with Swiss (CH) plug, 180cm
14009-00021200	C14 Power cord with Taiwan (TW) plug, 180cm
14G1100083A0	C6 Power cord with United States (US) plug, 150cm
14G110060341	C6 Power cord with Europe (EU) plug, 80cm
14G110008300	C6 Power cord with China (CN) plug, 80cm
14G110008330	C6 Power cord with Japan (JP) plug, 80cm
14G110060365	C6 Power cord with Australia (AU) plug, 80cm
14G110008350	C6 Power cord with United Kingdom (UK) plug, 80cm
14G110008310	C6 Power cord with Korea (KR) plug, 80cm
14G1100083E0	C6 Power cord with Swiss (CH) plug, 80cm
14G11006032B	C6 Power cord with Taiwan (TW) plug, 80cm

* 料号可能会有变动，下单前请与业务代表确认正确料号。