

FCU1104 Embedded Computer

OVERVIEW

FCU1104 embedded computer is designed based on NXP i.MX6UL L SoC(Cortex-A7) with advantages of cost efficient, advanced performance and high stability. It runs at speed of 792MHz, carries RAM 256MB and NandFlash 256MB(RAM 512MB, eMMC 4GB optional) on-board. Supported with OS Linux 4.1.15 complies various network protocols. It integrated with RS485/RS232, Ethernet, 4G, WiFi and LoRa all in one.

FCU1104

CPU	Model: NXP i.MX6UltraLite Architecture: Cortex-A7 Frequency: 800MHz	4G	EC200S, doesn't support GPS and audio
RAM	256MB DDR3; 512MB DDR3	WiFi	supports STA and AP(optional with 4G)
Flash	256MB NandFlash , 4/8GB eMMC	LoRa	1, 433MHz, 20dBm, 30dBm model: E32-TTL-100(433T20DC) 20dBm(deault) E22(400T30D) 30dBm
Ethernet	2, 10/ 100M, ESD3	Power input	DC12V input range: DC9V~ 36V
RS485	4 or 8, 1.5KV isolation, ESD4, one is multiplexed with RS232	RTC	CR2032 socket, NTP is supported
DI	2, dry contact input, isolated	OS	Linux4.1.15, files system: Yaffs2, GCC 4.6.2
DO	2, relay output, contacting capacity 5A 250VAC, 5A 30VDC	Dimensions	150mm x 110mm x 45mm
CAN	1, 1.5V isolation, ESD4	TF card	1, 32GB tested
Buzzer	1	Boot key	1, works together with reset to update firmware
Reset key	1	Environment	RH: 5% ~ +95%, non-condensing working temp: -25°C ~ +85°C(eMMC) 40°C ~ +85°C (NAND version) WiFi: 0°C ~ +70°C Storage: -40°C ~ +85°C

