FCU2401 Embedded Computer

OVERVIEW

FCU2401 embedded computer is based on Allwinner Cortex -A7 featuring quad-core processor A40i running at 1.2GHZ, it integrates with MAli400MP2 GPU, RAM 1GB(2GB upgradable) and 8GB eMMC. It has a variety of peripheral sources, such as RS485, CAN, ESAM, USB, Ethernet, 4G, WiFi, GPS, LVDS, HDMI , DI , DO , audio and SATA. All communication interfaces are designed with isolation protection solution and tested by ESD4. It can support dual-screen playing. Applicable for edge computing, EV charger,

FCU2401			
CPU	A40i, Cortex-A7, 1.2GHz	4G	EC20, dual SIM card slots
RAM	1GB DDR3L	WiFi	STA and AP are both supported
Flash	8GB eMMC	USB Host	2x USB2.0 Host, ESD4
Ethernet	2, 1x 10/ 100Mbps, 1x 10/ 100/ 1000Mbps, ESD4, EFT3	USB OTG	for system installation and debug
RS485	2, 3KV isolation, ESD4, EFT3	RTC	CR2032
RS232	2, 3KV isolation, ESD4, EFT3, contains one debug port, and the other one is isolated from 5V output, 1W	ESAM	ISO7816
DO	4x relay output contact: 5A 250VAC, 5A 30VDC	Hard disk	2.5'' SATA disk
DI	4x dry contact input	DIP	DC12V, with anti-reverse and over current protection
CAN	2, 2.5KV signal isolation, 3KV power isolation, ESD4, EFT3	Voltage input	fixed by screw
GPS	BDS& GPS dual-mode	Power failure	super capacitor can support 15s system maintainance
HDMI	1x HDMIv1.4, 1080P@ 60FPS	Reset	1
LVDS	standard DVI-I connector	BOot key	used together with reset key for firmware updating
TV IN	2, can support NTSC and PAL	LED	2, indicates whether it's powered by external source or supper capacitor
Audio	1x speaker, 4Ω 1W speaker	Environment	RH: 5％ ~ 95％, non-condensing working: -40℃ ~ +80℃ storage: -40℃ ~ +85℃