

# FCU1201 Embedded Computer

## OVERVIEW

FCU1201 embedded computer is based on NXP i.MX6DL processor with main frequency up to 1GHz, it has 1GB RAM and 8GB eMMC, integrates with RS485, CAN, ESAM, PSAM, USB, Ethernet, 4G, WIFI, LVDS, HDMI, DI, DO, audio and other peripherals, which make it's widely used in EV charger, advertising machine, vending machine, security, car electronics, industrial control, power communication applications.

### FCU1201

CPU	Model: NXP i.MX6Q/ i.MX6DL Architecture: Cortex-A53 Frequency: 1.0GHz	HDMI	mini PCIe socket, HDMIv1.4
RAM	1GB DDR3	Power failure	super capacitor can support system maintains 15s in case of power failure
Flash	8GB eMMC	UART	2(1x 3-wire debug port, 1x 3-wire card reader)
Storage expand	TF card, 64GB tested	RS485	2, electrical isolated
Cellular	4G, mini PCIe socket, mini SIM card slot	USB	1x USB2.0 OTG, 1x USB2.0 Host
ESAM	ISO7816	CAN	2, electrical isolated
PSAM	Mini SIM card slot	Ethernet	1x 10/ 100/ 1000M
DO	4, relay output	WiFi& BT	IEEE 802.11b/g/n 1T1R WLAN Bluetooth 2.1/3.0/4.0
DI	4, optical coupler isolated	RTC	CR2032
Audio	1x Headphone, 1x MIC, 2x Speaker, preserved	Voltage input	DC12V (9V~ 36V)
LVDS	DVI-I connector	Dimensions	147mm x 103mm x 42mm
OS	Linux3.0.35+QT4.8.5, Android6.0	Mounting	4x Φ4mm screw nails

