FCU2201 Embedded Computer

OVERVIEW

The FCU2201 is designed for industrial data acquisition and processing applications. It supports 5G, 4G, Ethernet, dual-band Wi-Fi, RS485, RS232 and other functions and interfaces. It can be used for uplink network access and connection of downlink sensors and other devices; it adopts ARM Cortex-A53 architecture processor with a main frequency up to 1GHz, can meet the performance requirements of local data processing, edge computing, etc.

FCU2201	
CPU	LS1012A, Cortex-A53, 1.0GHz
RAM	512MB
Flash	8GB eMMC
Voltage input	9V~ 36V, with anti-reverse, ESD, surge and pulse protection
Working temp	-40℃~+80℃
OS	Ubuntu18.04, OpenWRT
Mounting	Din rail or wall mounting
Storage expand	TF card
Cellular	M.2, can support 5G or 4G module network connectivity
Ethernet	2x 10/ 100/ 1000Mbps, auto-negotiation
WiFi	PCIe by M.2 E Key socket, dual-band WiFi
RS485/ RS232	1, RS485 and RS232 are multiplexed, with ESD, surge and pulse protection
RS485	4, with ESD, surge and pulse protection
RTC	can support NTP
Protocol	TCP, UDP, NTP, DHCP, SSH, FTP, Docker, Python, SQLite