

FCU2303 Embedded Computer

OVERVIEW

FCU2303 is a fanless 5G industrial gateway solution with advanced computing performance based on NXP LS1043A , LS1046A running up to 1.8GHz. It has 8 Gigabit Ethernet ports each with separate MAC and 8 RS485(4 are multiplexed with RS232 and RS485) and could be widely used in smart city, factory, water utility, agricultrue, securiety monitoring, etc. Open software supporting of Ubunut 18.04 integrated with third party clusters.

FCU2303

CPU	FCU2303 based on FET1046A-C, Cortex-A72, 1.8GHz; FCU2303 based on FET1043A-C, Cortex-A53, 1.6GHz
RAM	2GB DDR4
Flash	8GB eMMC, 16MB QSPI NorFlash
Voltage input	12V5A, with anti-reverse protection
Working	RH: 5%~ 95% non-condensing, working: -40°C ~ +85°C, storage: -40°C ~ +125°C
OS	Ubuntu18.04, OpenWRT
Cellular	5G module: RM500Q-GL, 4G module: EC20
Storage expand	1x M.2 M Key, can support NVME PCIe hard disk, tested model: INTEL 760P
Ethernet	8 Gigabit Ethernet ports, RJ45 connectors, 10/ 100/ 1000Mbps auto-negotiation
WiFi	M.2 Type 2230, M.2 E Key, tested model: INTEL 3168NGW
DO	2x relay output, contact capacity: 5A 30VDC / 5A 250VAC, 3.81mm green terminals
DI	2, optical coupler isolated, 3.81mm green terminals
RTC	CR2032
USB3.0	1x USB 3.0 Host, USB Type-A connector, for system flashing
Dimensions	231.9mm x 53mm x 155mm

