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Communication Expert of
Industrial IOT

U200s Series Specification

5G Commercial CPE



Introduction

U200s series 5G commercial CPE adopts Qualcomm solution IPQ5018 with dual-core ARM Cortex-A53@1GHz, which can ensure the excellent performance and fast data communication rate. It supports NR (SA&NSA), TDD-LTE and FDD-LTE cellular network, it comes with 1x1Gigabit WAN/LAN port, 3x1Gigabit LAN port and 2.4G+5G dual-band WIFI6. This device is suitable for home and commercial scenarios that require rapid deployment of WIFI hotspots and wired broadband networks, it brings you high speed WiFi wherever you want.

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Product Features

- High Performance processor IPQ5018, dual-core ARM Cortex-A53@1GHz.
- Ultra-fast 5G speed up to 2.4Gbps,supports 5G/4G/3G full networks and SA&NSA modes. Built-in 4 cellular antennas ensure the best signal is received wherever it is placed.
- Super-fast WiFi up to 3600Mbps, U200s series CPE supports WiFi6 AX3000 and the WiFi speed is up to 3600Mbps (2400Mbps on 5GHz and 573Mbps on 2.4GHz)
- Multiple Ethernet ports: 1*gigabit WAN/LAN(configurable) port, 3*gigabit LAN ports, connect more Ethernet devices.
- Automated failover/failback back up among Ethernet, Cellular and Wi-Fi.
- Support connect to PUSR cloud to to achieve centralized device management and remote monitoring
- Support WPA3 encryption to protect your data.

Dimensions

Unit: mm

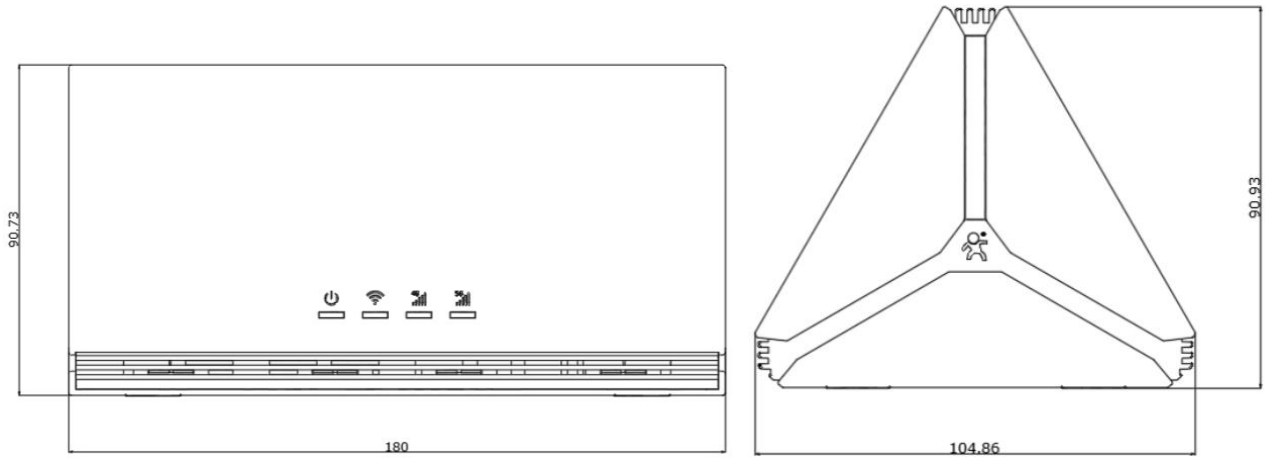


Fig.1 Dimension of U200s

Specification

Model		U200S	U200L	U200C
Feature		5G + WiFi6	4G + WiFi6	WiFi6
CPU	Processor	IPQ5018,Dual-core ARM Cortex-A53@1GHz		
	Memory	RAM: 512M,DDR3 Flash: 128M		
Cellular	Cellular module	Qualcomm Snapdragon X62/RM520NGLAA	EM05GFA	--

	Frequency Bands	5G NR SA/NSA:n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79 LTE FDD:B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71 LTE TDD: B34/B38/B39/B40/B41/B42/B43//B48 WCDMA:B1/B2/B4/B5/B8/B19	LTE FDD:B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B18/B19/B20/B25/B26/B28/B66/B71 LTE TDD:B38/B39/B40/B41 WCDMA:B1/B2/B4/B5/B6/B8/B19	--
	Rate	5G SA Sub-6: Max. 2.4 Gbps (DL)/Max. 900 Mbps (UL) 5G NSA Sub-6: Max. 3.4 Gbps (DL)/Max. 550 Mbps (UL) LTE-FDD: Max. 1.6 Gbps (DL)/Max. 200 Mbps (UL) HSPA+ : Max. 42Mbps (DL)/Max. 5.76Mbps (UL)	LTE-FDD: Max. 150Mbps (DL)/Max. 50 Mbps (UL) WCDMA: Max. 42Mbps (DL)/Max. 5.76Mbps (UL)	--
	Antennas	4* 5G internal antennas, 3DBI	2*4G internal antennas, 3DBI	--
	MIMO	4*MIMO	2*MIMO	
	SIM slot	1*Nano SIM	1*Nano SIM	--
WiFi	Wi-Fi Chipsets	2.4G: IPQ5018 5GHz: Qualcomm QCN6102		
	Wi-Fi Standards	IEEE 802.11 a/b/g/n/ac/ax		
	Frequency Bands	2.4G: 2.412GHz - 2.484GHz 5.8G: 5.15GHz ~ 5.85GHz		
	Rates	2.4G: 574 Mbps 5.8G: 2402 Mbps		

	End users	Up to 128		
	Antennas	2*internal antennas, 3DBI		
	Encryptions	WPA/WPA2, WPA3		
	Tx power	Up to 27dBm(Configurable according to different country)		
Ethernet	WAN/LAN	1* Gigabit WAN/LAN(RJ45), auto MDI/MDIX		
	LAN	3* Gigabit LAN(RJ45), auto MDI/MDIX		
Power supply	Standard Power	12V/2A		
	Consumption	Average: 600mA/12V Max: 1100mA/12V		
	Connector	DC socket 5.5*2.1		
Physical characteristics	Dimension	180*90.73*90.93		
	Housing	ABS Material		
	Installation	Desktop,		
	Operating Temperature	0℃~+55℃		
	Weight	493.1g	493.1g	493.1g
	Humidity	1%-95% (No-condensing)		
Other interface	Reset button	Press and hold for 5-15s to reset to factory settings		
	Indicators	Power, WiFi, 4G, 5G		
Software	WiFi mode	AP/router/repeater		
	WAN connectivity	DHCP/PPPoE/Static IP		
	MAC Clone	√		
	Cellular relevence	APN settings, PDP(IPv4/IPv4v6),SIM authentication settings, PIN settings, network detection, AT command		
	WiFi relevence	AP isolation, SSID hiding, 802.11r, signal level selection		
	LAN interface	DHCP server		
	Black/white list	√		
	IP blinding	√		
	Firmware upgrade	WebUI upgrade, online upgrade		

	Backup/restore	Backup current settings and restore the backup settings (Export/Import Configuration)
	Time setting	Manual/auto

Order Guide

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