



C3 5G Multi-SIM Aggregation Router

I. Product Introduction

C3 5G Multi-SIM Convergence Router, multi-network integration, weak network communication, multi-SIM aggregation router, 5G multi-SIM aggregation router, industrial router, mobile IoT, commercial router, video streaming, integrated communication, multi-link aggregation, 5G multi-SIM aggregation, 5G multi-link aggregation, live online education, video conferencing, IoT monitoring, remote medical care, smart agriculture, emergency command, security monitoring, law enforcement, smart home.

II. Advantages

❖ Bandwidth Bonding

Bandwidth bonding combines data at the packet level, allowing you to aggregate the speed of multiple connections. This is particularly useful in bandwidth-scarce situations, such as at remote sites or in moving vehicles. The technology also enables branches to connect to headquarters at higher speeds.

❖ Forward Error Correction (FEC)

FEC is designed to provide packet loss protection while minimizing bandwidth consumption. When WAN replicates actual packets smoothly, FEC sends additional reserved packets that can be used to mitigate the impact of packet loss through interpolation.

❖ Data Traffic Control Selection

Modern networks carry various types of traffic, such as video streams, ERP sessions, HTTP sessions, etc. Depending on your deployment, you may need to prioritize certain types of traffic while limiting or even blocking other traffic. C3 allows you to control the transmission of different types of traffic in your network.

❖ Local Area Network (LAN) Networking

In real-world work environments, there is often a need to access remote data, such as live broadcasting and remote offices. This technology seamlessly combines networks from different LANs.

❖ Private Cloud

This technology allows customers to set up their own cloud space, making it convenient for access anytime, anywhere, and facilitating file sharing within the enterprise.

III. Features

Project	Content
Support for Multiple Networks	SIM modules can be selected based on the region, including 3G/4G/5G networks (also can replaceable global 5G modules)
Industrial-Grade Design	High-performance industrial-grade wireless module; High-performance industrial-grade 64-bit quad-core 1.8GHz processor; Supports low-power modes, including sleep mode, timed online/offline mode, and timed power on/off mode; Metal shell with IP30 protection level, suitable for industrial control field applications; DC 12V power input.
Stable and Reliable	Software system watchdog, power voltage detection to ensure system stability; Comprehensive external network online detection, dedicated network online detection, anti-disconnection mechanism to ensure terminal data is always online; Real-time dynamic refresh effectively solves the "false connection" and "dead connection" phenomena in wireless networks; Ethernet interface with built-in 1.5KV electromagnetic isolation protection; SIM/UM card interface with built-in 15KV ESD protection; Reverse power protection, overvoltage protection, overcurrent protection.
Standard and User-Friendly	Provides Ethernet LAN and WAN, WIFI interfaces for direct connection to serial devices, Ethernet devices, and WIFI devices; Intelligent data terminal, enters data transmission state upon power-on; Easy to use, flexible, with multiple working mode choices; Convenient system configuration and maintenance interfaces (including local and remote WEB, SYSLOG, CLI, SSH Telnet, SMS, TR-069, SNMP, network management platform).
Rich Interfaces	3 RJ45 Gigabit LAN ports, 1 RJ45 Gigabit WAN port; (WAN RJ45 can be converted to LAN RJ45 port, making it 4 LAN RJ45 ports); Optional: wireless WiFi, GPS positioning, SIM*3 routes.
Powerful Functions	Supports 3G/4G/5G WAN connection, WiFi client connection, wired connection (Cable, xDSL, upstream router, etc.); Supports MIMO; Supports WAN (microcell, WiFi client, wired) link failure switching backup, load balancing, and link bundling; Supports VPN client (PPTP, L2TP, IPSEC, GRE, OpenVPN, DMVPN, n2n, frp), supports VPN server

Project	Content
	(IPSEC, PPTP, L2TP, OpenVPN); Supports local and remote online upgrades, import/export configuration files; Supports NTP; Supports various domestic and foreign DDNS; Supports MAC address cloning, PPPoE server; WiFi supports 802.11b/g/n; Supports various WiFi modes such as AP, AP Client, repeater, relay bridge, and WDS (optional); WiFi supports various encryption methods such as WEP, WPA, WPA2, supports RADIUS authentication, MAC address filtering, and other functions; Supports various online/offline trigger modes, including SMS, voice call ringing, serial data, network data trigger, and timed schedule online/offline mode; Supports APN/VPDN; Supports multiple DHCP servers and DHCP clients, DHCP binding MAC addresses, DDNS, firewall, NAT/NAPT port mapping and conversion, DMZ host, QoS, traffic statistics, real-time display of data transfer rates, etc.; Supports SPI firewall, VPN traversal, access control, URL filtering, etc.; Static routing and dynamic routing; IPv6.
Excellent Firewall Features	Supports IP and MAC address binding, virtual host, port mapping, content filtering, and other functions.
SMA Antenna Interface	Replaceable high-gain antenna; Optional interfaces include TNC, N-head antenna (requires adapter).

IV. Hardware Parameters

Model	C3
CPU	Qualcomm ARM-A53 Quad-Core CPU 1.8GHz (Qualcomm IPQ6010)
DDR4 Memory	2GB
SPI flash	8MB
EMMC	4GB
5G/4G LTE Module Quantity	3*5G Module or 1*5G + 2*4G Module
Wifi6	2.4GHz(600Mbps) + 5.8GHz(1200Mbps)
Ethernet	4 RJ45 Gigabit Ethernet ports, total wired network bandwidth 6.25Gbps
LCD Display	3.5-inch SPI IPS color display. Can display battery level, network speed, server address, WiFi status, etc.
Backend Management	Support Web-end Management or HTTP API third-party docking
SIM Card Hot Swap	Support
WIFI Range	Within 15 meters
Adapter	DC/12V 3A
Power Consumption	8-15W
Battery Capacity	8.4V * 10000mAh(84WH)
Operating Time	6-8 hours, depending on the usage environment