

## ■ Overview

The 5G Dongle M210 is a high-performance 5G modem based on Qualcomm SDX55 chipset. It supports 5G, LTE and 3G networks from telecom service providers of most countries in the world. The USB Type-C interface is adopted to power the device and transmit high-speed internet data converted from cellular SIM card.

M210 is suitable for personal or industrial users to connect their PC or industrial terminals to 5G/LTE mobile networks and enjoy the super-fast internet connection in the home, office, outdoors or on the way, for either entertainment, study or professional purpose.



## ■ Hardware & Radio Specification

Item	Description
Chipset	Qualcomm SDX55, Arm Cortex-A7 up to 1.5 GHz, Cortex-A7 – primary boot processor
RF Standard	5G NR SA&NSA (3GPP Release 15)/TDD-LTE/FDD- LTE/HSPA+
Frequency Bands	5G NR: N1/N2/N3/N5/N7/N8/N12/N20/N25/N28/N40/N41/N66/N71/N77/N78/N79; FDD LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/ B32/B66/B71; TDD LTE: B34/B38/B39/B40/B41/B42/B43/B48; WCDMA/HSDPA/HSUPA: B1/B2/B3/B4/B5/B8.
Memory	Flash: 4Gb 8-bit NAND RAM: 4Gb 16-bit LPDDR4X at 1.8GHz
Indicators	2 LED Indicators (PWR, Network signal)
Antenna	6 Built-in 5G/LTE antennas
SIM	1 SIM (FF), supports standard 1.8V & 3.3V USIM
USB & Power Supply	TYPE_C USB3.1, 5V
Compatible OS	Windows/Linux*
Power Consumption	<20W
Peak Throughput	5G NR: 1.2 Gbps (UL), 4 Gbps(DL); FDD-LTE CAT20+: MAX 2.4Gbps(DL),150Mbps(UL); TDD-LTE CAT20+: MAX 2.4Gbps(DL),150Mbps(UL); HSPA+: 5.76Mbps(UL), 42Mbps(DL).
Dimension	98.5mm* 57.5mm* 17mm
Weight	105g

\* If the equipment (drone, AGV etc.) with Linux or Android system can act as RNDIS HOST, the 5G Dongle could be plugged in and used directly. If not, the USB driver of the equipment should be modified.

## ■ Software Specification

Item	Description
Language	English, simple Chinese, other languages could be customized.
Https/Http	Both
User Login	Supports two users (admin user and normal user) with different authorization
SIM Card	PIN Management; SIM card Authentication
Diagnosis	Export current diagnosis results and operation logs
Statistics	Link Status (LAN); Transmit / receive traffic in packets; Up Time
IPV6	IPv6/IPv4 dual stack
Network Status	Signal strength, network type, network connection status, operator name, system mode, SIM card status
Carrier SIM Lock	Supported

## ■ Device Management

Item	Description
Software Update	Web UI update Tr069 update
TR069	HTTP/HTTPS Supports uploading / downloading the ACS specified file Supports configuring & querying parameters Supports remote upgrade Supports cycle monitoring
Syslog	Supports syslog function, and syslog could be sent to PC via LAN
Diagnostics	Supports ping, trace route, tcpdump

## ■ Environmental Specification

Item	Description
Operating temperature	-10~45°C
Storage temperature	-45~85°C
Operating humidity	5~95%
Storage humidity	5~95%



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