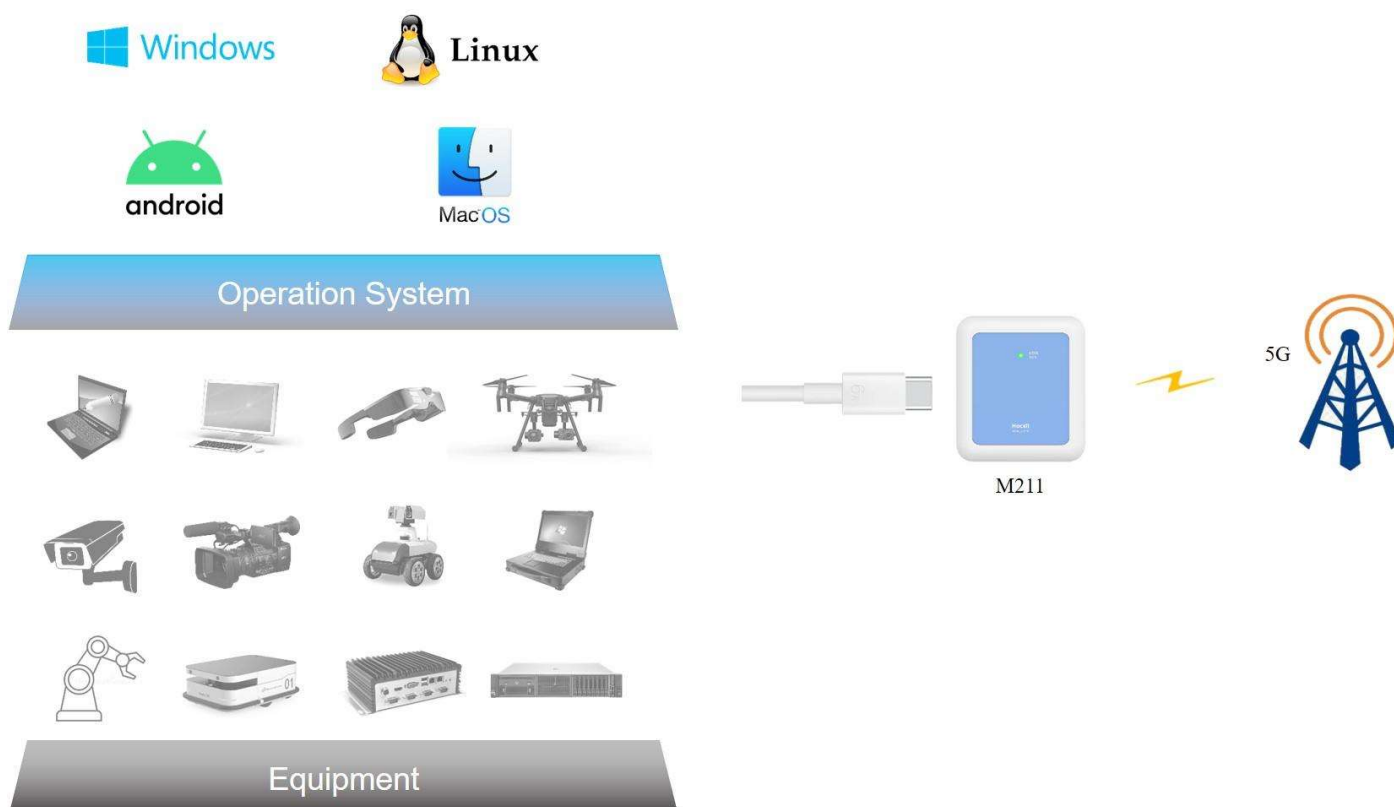■ **Overview**

The 5G NR USB Dongle M211 is a high-performance 5G data terminal based on Qualcomm Snapdragon X55 modem, supporting 5G SA&NSA, LTE and 3G networks from telecom service providers of most countries in the world. An USB Type-C interface is adopted to power the device and transmit high-speed internet data converted from cellular SIM card. With an USB-C to USB-C cable, or an USB-C to USB-A cable, the 5G dongle can be connected to either USB-C or USB-A ports of different equipment*.

M211 is the first 5G dongle in the industry to support plug and play with all the major OS (operation system), including Windows, Linux, Android and Mac OS, which makes it very convenient for consumers or industrial users to connect their PC, wearable devices, professional equipment or industrial terminals to 5G/LTE mobile networks and enjoy the super-fast internet connection at home, in the office, outdoors or on the way, for either entertainment, study or professional purpose.

■ **Application Scenarios**

M211 can work with consumer devices or industrial equipment that are based on Windows, Linux, Android or Mac OS. The device or equipment should have an USB Type-C or USB-A interface of USB 3.1 (Gen2) version or above, with the capability to deliver power of at least 10W to the terminal connected to it.

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■ Hardware & Radio Specification

Item	Description
Chipset	Qualcomm Snapdragon X55
RF Standard	5G NR SA&NSA (3GPP Release 15)/TDD-LTE/FDD- LTE/WCDMA
Frequency Bands	**5G NR NSA**: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48*/n66/n71/n77/n78/n79 **5G NR SA**: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48*/n66/n71/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/B3/B4/B5/B6/B8/B19
MIMO	**5G NR** Downlink 4 ×4 MIMO: n1/n2/n3/n7/n25/n38/n40/n41/n48/n66/n77/n78/n79 Uplink 2 ×2 MIMO: n41 **LTE** Downlink 4 ×4 MIMO: B1/B2/B3/B4/B7/B25/B30/B32/B34/B38/39/B40/B41/B42/B43/B48/B66
Memory	Flash: 128Mb
	RAM: 1Gb DDR3
Indicators	2 LED Indicators (SYS, LINK)
Antenna	4 Built-in 5G/LTE antennas
SIM	1 SIM (Micro)
USB & Power Supply	TYPE_C USB3.1, 5-16V
Compatible OS	Plug and play with Windows/Linux/Android/Mac
Power Consumption	<10W
Peak Throughput	5G SA: 4.2Gbps (DL), 450Mbps (UL); 5G NSA: 5Gbps (DL), 650Mbps (UL); LTE: 2Gbps (DL Cat20),200Mbps (UL Cat18); WCDMA: 42Mbps (DL), 5.76Mbps (UL).
Dimension	78mm* 70mm* 17mm
Weight	110g

■ 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