Outdoor 5G CPE
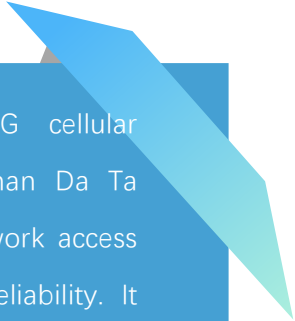
FA5210

Product Introduction

MegaTower

BRAX FA5210 is a cost-effective outdoor 5G cellular communication router product launched by Wuhan Da Ta Technology, which provides users 5G wireless network access service with high-speed, low latency and high reliability. It converts NR/LTE wireless data to Ethernet data. Together with a wireless router, the product can easily connect wired or WiFi-connected devices to high-speed 5G network, such as PCs, laptops, tablets, smartphones etc.

Product Overview

FA5210 is an outdoor 5G CPE that supports 3GPP Release 15 and is responsible for converting outdoor 5G NR wireless data into Ethernet wired data. To provide users with high-speed, low-delay, strong-reliability 5G wireless network access services, the device is equipped with IP65 high protection grade, dust-proof, waterproof, and lightning-proof components. The product has a light and small design, and is easy and fast to install by window-mounting, wall-mounting or pole-mounting, capable of working in high and low temperature environments. Generally the product is installed on the exterior wall or window, and works together with an indoor wireless router to provide WiFi coverage.

Product Highlights

Cost-effective with High Performance

✧ The product supports both SA and NSA network environment with global main bands, and provides high throughput 5G Internet access.

✧ Adopting cost-effective solutions, unnecessary costs are cut off as much as possible while keeping high performance and high reliability.

Easy Installation

✧ Integrated device, built-in antennas, easy to install.

✧ Flexible installation options with PoE power supply.
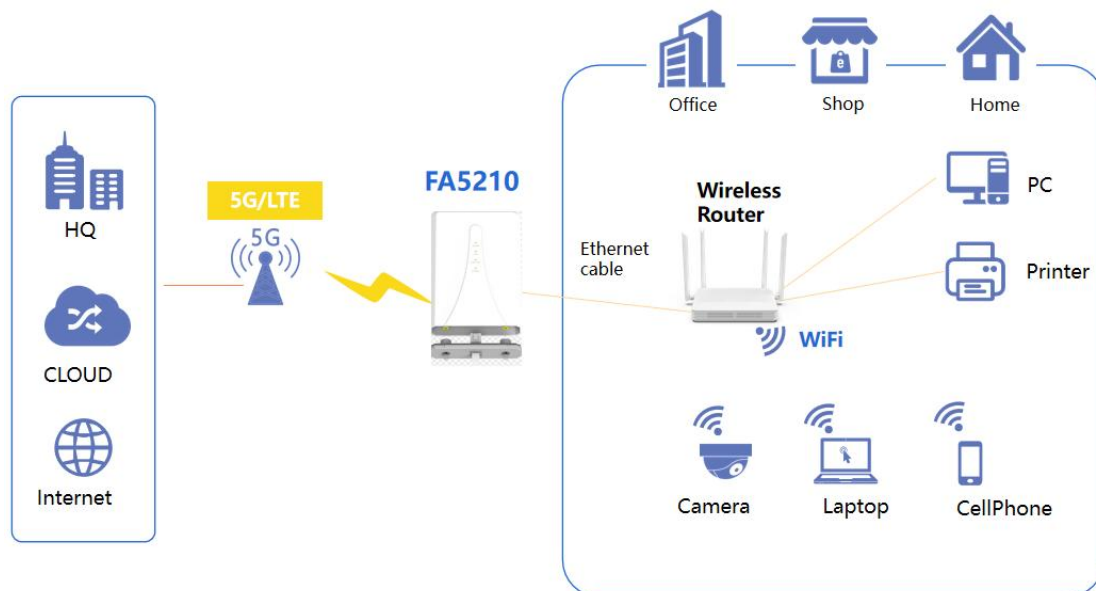
Strong Environmental Adaptability

✧ Support -30 ℃ ~65 ℃ operating temperature, suitable for use in various environments.

✧ IP65 dust proof and water proof, improved equipment stability.

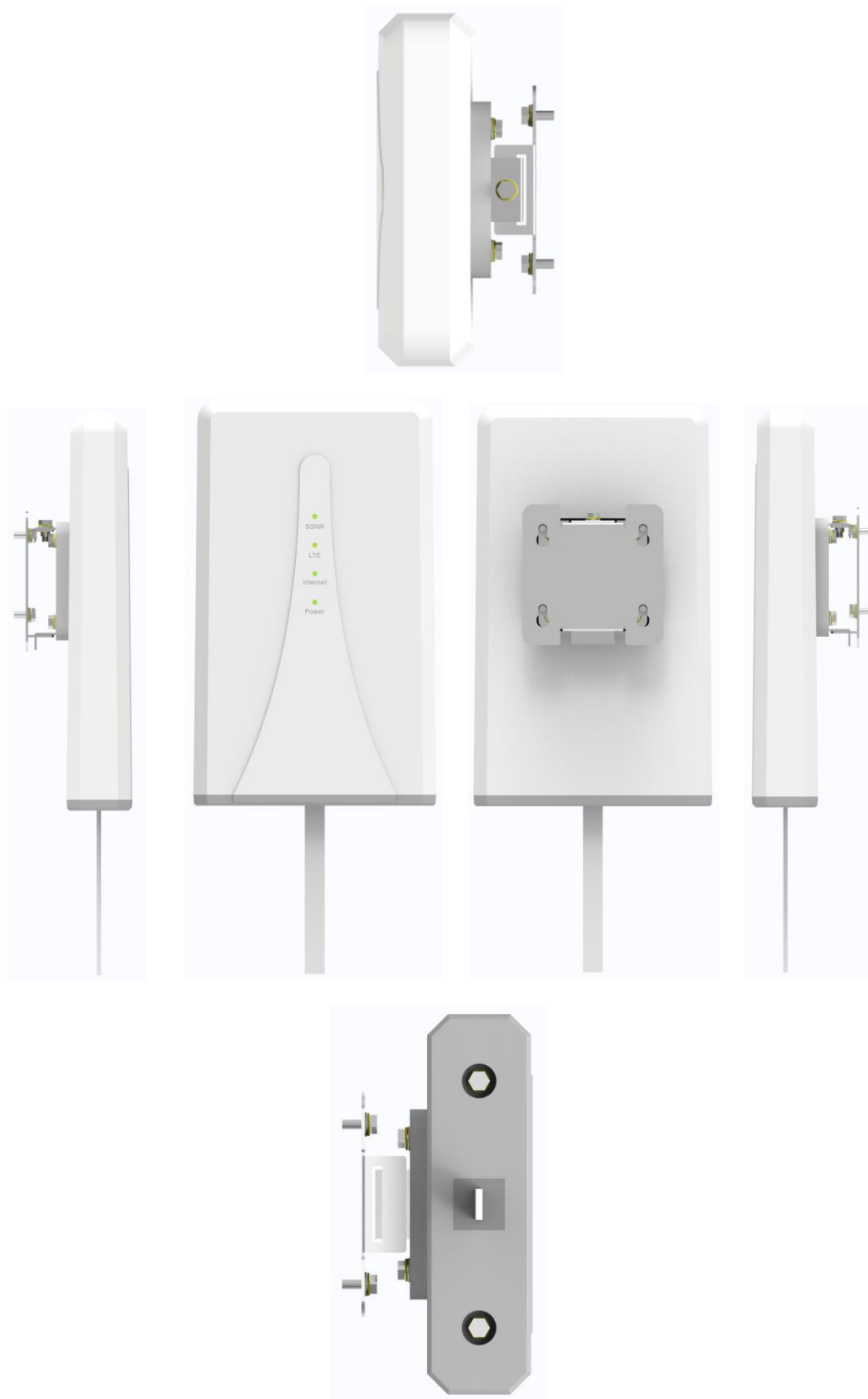✧ Up to 6kV lightning protection, no fear of thunderstorms.

Product Specification

Hardware Specifications	
System Parameters	
CPU	UNISOC V510
Memory	RAM: 512MB Flash: 512MB
5G Chip	UNISOC V510,
Interface Parameters	
5G NR	NSA & SA
5G Antennas	4*built-in antennas
SIM Card	1*Nano SIM +1*eSIM （optional）
LAN Port	1*GE, 10/100M/1000M adaptive, PoE supported
USB Port	1 * USB Type-C (for debugging)
Physical Parameters	
Dimension	TBD
Materials	ABS
Color	White
Weight	TBD
Installation	Window Mounted, Wall-Mounted and Pole Mounted
Button	Reset
Indicator	5G NR Indicator 4G LTE Indicator Power Indicator Signal Strength Indicator
Power Parameters	
Power Supply	PoE Power Supply
Output Voltage	48V
Output Current	0.8A
Environment Parameters	
Working Temperature	-30℃ ~ +65℃
Storage Temperature	-40℃ ~ +70℃
Working Humidity	5%—95% (Non condensing）
Storage Humidity	5%—95% (Non condensing）
IP Protection	IP65 with lightning protection up to 6kV

Software Specifications	
5G Access	SA&NSA Network, 5G/LTE, network auto-searching, manual configuration, APN management, data statistics, SMS Management, Cell Locking, Band Locking, SIM locking
LAN Access	VLAN management, MAC management, IGMP Snooping, IGMP Proxy
IP Applications	IPv4, IPv6, IPv4/IPv6 dual stack, ARP, PPPOE, DHCP Client/Server, DNS, NAT, ALG, Virtual Server
Routing	Static routing V4/V6
VPN Protocols	PPTP, L2TP, IPSEC*, Vxlan*
Security	Firewall, anti-attack(ARP, DDOS, etc.), Anti-scan, port filtering, MAC filtering, DMZ
Device Management	TR069, SNMP*, local WEB

Networking

Product Views

Note: The Industrial Design is for reference only. The product is still under development and the final physical appearance may differ from the ID shown here.