



Outdoor 5G CPE

FA5320

Product Introduction



FA5320 is a high-performance outdoor 5G CPE product launched by Wuhan Da Ta Technologies for outdoor 5G access scenarios, providing users with high-speed, low delay and high reliability 5G wireless network. The equipment adopts high-end, stable and mature processor chips, wifi chips and 5G chips, with large memory and various high-quality components, to provide users with a 5G terminal with high stability for outdoor fixed access and mobile access scenarios.

Product Overview

FA5320 is an outdoor 5G CPE that supports 3GPP Release 15/16 and is responsible for converting outdoor 5G NR wireless data into Ethernet wired data and local wireless LAN data. To provide users with high-speed, low-delay, strong-reliability 5G wireless network access services, the device is equipped with IP67 high protection grade, dust-proof, waterproof, and lightning-proof components. It can be used independently for outdoor deployment and working in high and low temperature environments. In addition to the basic data conversion function, the device also supports advanced functions such as firewall, QoS, VPN, maintenance and management, meeting users' requirements in various scenarios.



Product Highlights

High Quality with Powerful Performance

- ✧ Equipped with independent Qualcomm multi-core main processor, independent 5G chip, independent WiFi chip and hardware acceleration solution, the product provides the best overall performance.
- ✧ Qualcomm 5G Chip, which can guarantee global 5G network access.

New Standard Wifi6

- ✧ Supporting both 2.4GHz and 5GHz dual bands, greatly improving throughput up to 3000Mbps.
- ✧ By TWT technology, the WiFi speed increased more than 30% comparing with WiFi5, and the terminal power consumption reduced by about 30%.
- ✧ Powered by OFDMA technology, the product is able to send data packets to several devices at the same time; with MU-MIMO technology, multi-devices can access to Internet concurrently without queueing.

Easy Installation

- ✧ Integrated device, built-in 5G and WiFi antenna, easy to install.
- ✧ Optional 5G NR directional antenna or omnidirectional antenna, suitable for

various scenarios.

- ✧ IP67 protection class, extended temperature adaptability, with lightning protection, no limitation in outdoor applications.

Network and Device Protection

- ✧ Supporting dual connection of 5G NR and wired WAN, backup between air and ground; automatic detecting network faults and switching lines, to ensure that network access never fails.
- ✧ Supports 5G frequency band and cell locking functions. The device cannot be used when it is moved out of the set usage range. Ensure equipment is safe and not diverted for other purposes.

Product Specification

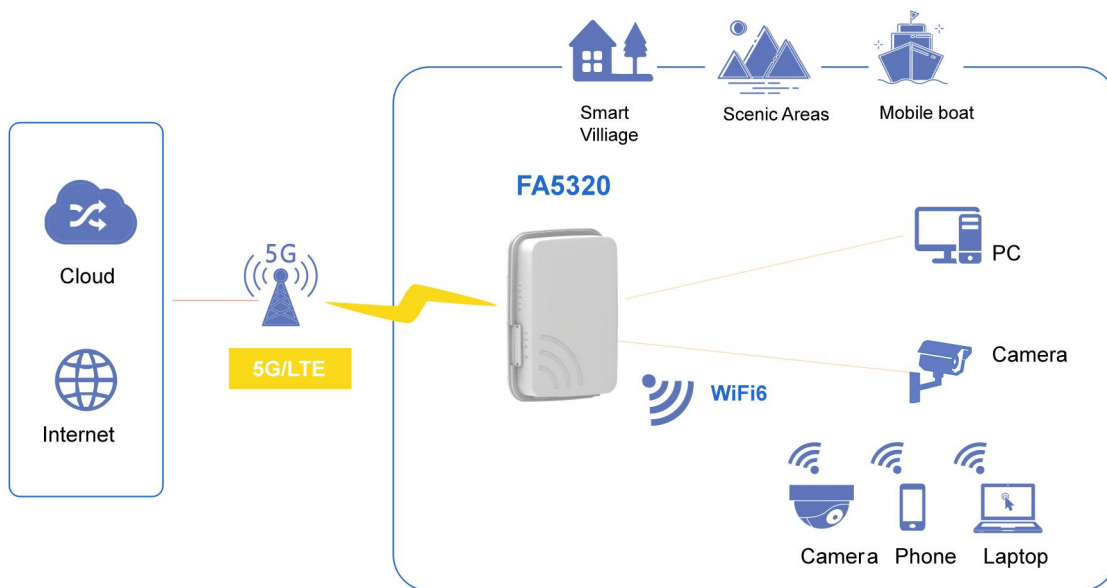
Hardware Specifications	
System Parameters	
Main CPU Architecture	Qualcomm Dual Core CPU
Main CPU Frequency	1GHz/Core
Memory	512MB
5G Chip	Qualcomm SDX62 or UNISOC IVY510, selectable
Interface Parameters	
5G NR	NSA & SA
5G Antennas	4*built-in antennas
SIM Card	1*Nano SIM +1*eSIM (Selectable)
WAN Port	1*GE, 10/100M/1000M with PoE
LAN Port	1*GE, 10/100M/1000M
WiFi	2.4GHz IEEE 802.11 b/g/n/ax 2T2R 5GHz IEEE 802.11 a/n/ac/ax 2T2R
WiFi Theoretic Throughput	Overall theoretic throughput: 3000Mbps 2.4GHz: 574Mbps (2ss 40MHz) 5GHz: 2402Mbps (2ss 160MHz)
WiFi Antenna	Internal Omni Antenna 2.4GHz 2x2 MIMO

	Internal Omni Antenna 5GHz 2x2 MIMO
Physical Parameters	
Dimension	273*219*67mm
Materials	metal bottom shell +ABS face shell
Color	White
Weight	1.5KG
Installation	Wall-Mounted and Pole Mounted
Button	Reset and WPS/Mesh
Indicator	5G NR Indicator 4G LTE Indicator WiFi Indicator Power Indicator Ethernet Indicator
Power Parameters	
Power Supply	PoE Power Supply
Output Voltage	48V
Output Current	0.8A
Environment Parameters	
Working Temperature	-30°C ~ +65°C
Storage Temperature	-40°C ~ +70°C
Working Humidity	5%—95% (Non condensing)
Storage Humidity	5%—95% (Non condensing)
IP Protection	IP67

Software Specifications	
5G Access	SA&NSA Network, 5G/LTE, network auto-search, manual configuration, APN management, data flow statistics, SMS Management, Cell Locking, Band Locking
WAN Access	Routing mode, bridge mode, Link backup
LAN Access	VLAN management, MAC management, IGMP Snooping, IGMP Proxy
WiFi Access	802.11 a/b/g/n/ac/ax, multiple SSID ,WPS: PBC/PIN mode,

	PA/WPA2/WPA3 encryption, Mesh network
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*
QoS	802.11e WMM, speed limitation based on IP and Port
Safety	Firewall, anti-attack(ARP, DDOS, etc.), Anti-scan, port filtering, MAC filtering, DMZ
Device Management	TR069, SNMP*, local WEB

Networking



Product Views

