



# Horizon HZ51

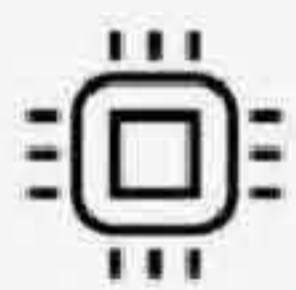
## 5G Wi-Fi 6 Indoor Router

### OVERVIEW

The HZ51 is a 5G & Wi-Fi 6 desktop CPE designed for SME and smart home connections. The sleek and fashionable design boasts raw power under the hood, a must have addition to an integrated environment. A dozen antennas are pumping signal under the unassuming aesthetic, radiating enough power to connect every corner of your space. With mission critical reliability and continuous performance, the HZ51 includes full 5G features such as Gigabit download and upload speeds, Gigabit Ethernet, and up to 4800Mbps total throughput on Wi-Fi 6. This feature rich HZ51 also supports VoLTE and can be an incredibly versatile access point for voice and data in a home, small office, or open space. We are Horizon powered, let's connect.

### FEATURES

#### Qualcomm Solution



- Qualcomm X62, 3GPP Rel-16 5G NSA&SA SUB6 support
- 2.5Gbps WAN/LAN, 5400Mbps Wi-Fi6, Triple 1000Mbps network access

#### Wi-Fi6



- 4\*4 MIMO omnidirectional high-gain Wi-Fi antenna, support up to 128 users
- Wi-Fi 6 AX5400 specification, 200% speed increase compared to previous generation
- Support OFDMA, TWT, BSS coloring Wi-Fi 6 technologies to ensure high-speed access

#### Better Signal



- Up to 10 built-in antennas for 5G & Wi-Fi 6
- 4 built-in 5G and 6 built-in Wi-Fi 6 antennas ensure MIMO concurrent speed
- 3D stereo stacking design antenna ensures minimal interference and optimal reception

## SPECIFICATION

### HARDWARE

<b>Model</b>	HZ51		
<b>LED Indicator</b>	Power, Wi-Fi, 4G, 5G	<b>SIM card</b>	4FF SIM (Nano SIM)
<b>VOLTE</b>	RJ11*1 (Support VONR/ VOLTE)	<b>KEY</b>	RESET, Power, WPS
<b>Built-in antenna</b>	4G/5G antenna*4, Wi-Fi antenna(MU MIMO)*6		
<b>Ethernet</b>	1*10/100/1000Mbps LAN, 1*10/100/1000/2500Mbps LAN/WAN		
<b>Operating Voltage</b>	+12VDC/3A	<b>Weight</b>	About 800g
<b>Size</b>	105mm*112mm*206mm	<b>Operating temperature</b>	-10°C+45°C
<b>Relative humidity</b>	≤95%	<b>Storage temperature</b>	-30°C+75°C

### NETWORK

<b>Cellular*</b>	5G NSA Sub-6	3.2Gbps (DL)/600 Mbps (UL)
	5G SA Sub-6	2.4Gbps (DL)/900 Mbps (UL)
	LTE	1.6 Gbps (DL)/200 Mbps (UL)
<b>Wi-Fi6*</b>	2.4GHz	802.11 a/b/g/n/ac/ax, 2*2 MIMO, 576Mbps
	5.8GHz	802.11 a/b/g/n/ac/ax, 4*4 MIMO, 4804Mbps
	Max user	128

\*Theoretical peak value, the actual rate is related to the test environment

### FREQUENCY BANDS

<b>5G</b>	5G NR	3GPP Rel-16 NSA/SA operation, Sub-6 GHz A
	5G NR NSA	n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n76/n77/n78
	5G NR SA	n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n76/n77/n78
	MIMO	DL 4 × 4 MIMO on: n1/n3/n7/n38/n40/n41/n76/n77/n78
<b>LTE</b>	LTE Category	DL Cat 19/ UL Cat 18
	LTE-FDD	B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/ B29/B30/B66/B71
	LTE-TDD	B38/B41/B42/B43/B48

\*Note: Communication power consumption is affected by network signal strength and module network mode.



## APPEARANCE



Home user connectivity

Small office and business setup

Retail Outlet

Warehouse

Hospital / Clinics / Hotels

College Campuses & Higher Education

**HZ51**  
5G Wi-Fi 6 Indoor Router

**5G & 3GPP LTE**  
5G SA/NSA Sub-6  
CAT 19

**Wi-Fi 6**  
4\*4 MIMO omnidirectional  
high-gain Wi-Fi antenna

**Better Signal**  
Up to 10 built-in antennas  
for 5G & Wi-Fi 6

**Qualcomm Solution**  
Qualcomm X62, 3GPP  
Rel-16 5G NSA&SA SU B6 support