

5G Indoor Router

FNB310



Introduction

FNB310 is 5G Indoor Router with External Antenna, supports NR (SA&NSA), TDD-LTE, FDD-LTE, converts cellular network data into WIFI and wired network port data, supports 1x1G LAN port, 1x1G LAN/ WAN port, 2.4G+5G dual-band WIFI-AP. It is suitable for home or commercial scenarios that require rapid deployment of wired broadband networks and WIFI hotspots.

Product Specification

Cellular Specification		
Product	5G	5G Redcap
Items	Contents	
Frequency Band	<p>5G NR NSA: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48*/n66/n71/n77/n78/n79</p> <p>5G NR SA: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48*/n66/n71/n77/n78/n79</p> <p>LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71</p> <p>LTE-TDD: B34/B38/39/B40/B41/B42/B43/B48</p> <p>WCDMA: B1/B2/B3/B4/B5/B6/B8/B19</p>	<p>5G NR SA: N1/2/3/5/7/8/12/13/14/18/20/25/26/28/30/38/40/41/48/66/70/71/77/78</p> <p>LTE: B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/30/34/38/39/40/41/42/43/48/66/71</p> <p>LTE-HPUE: B38/40/41/42/43</p>
Theoretical Maximum Bandwidth	<p>5G Sub-6: DL: 2.5 Gbps, UL: 600 Mbps</p> <p>LTE: DL: 1 Gbps, UL: 200 Mbps</p>	<p>5G SA Sub-6: DL: 223Mbps UL: 123Mbps</p> <p>LTE (256QAM): DL: 195Mbps UL: 105Mbps</p>

Remarks: Different modules support different network standards

5G Indoor Router FNB310

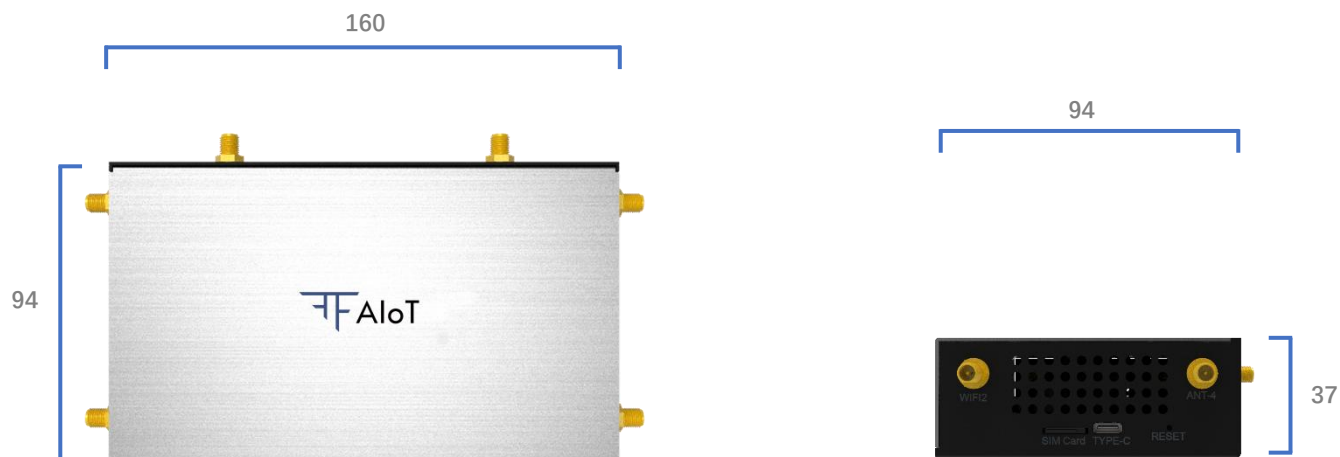


Hardware		
Product	5G	5G Redcap
Items	Contents	
CPU	@880MHz, Dual-core	
FLASH	128MB	
DDR3	512MB	
WIFI Specification		
Items	Contents	
WIFI Protocol	IEEE802.11 a/b/g/n/ac/ax	
Frequency	2.4GHz+5GHz	
Theoretical Maximum Bandwidth	2.4GHz 2x2MIMO 11ax, 0.573 Gbps	
Bandwidth	5GHz 2x2MIMO 11ax, 1.2 Gbps	
Channel Bandwidth	20MHz, 40MHz, 80MHz	
MESH Network	Support FFAIoT router and CPE to build the MESH network	
Power Supply		
Items	Contents	
Standard Power Supply	DC 12V/3A	
Power Supply Range	DC 9~24V	
Working Current	< 1.1A (12V)	
Interfaces		
Items	Contents	
LAN 2 / WAN	1 x 1G Ethernet (RJ45), auto MDI/MDIX	
LAN 1	1 x 1G Ethernet (RJ45), auto MDI/MDIX	
Telephone	1 x RJ11 (Optional)	
Indicator	Signal, 5G, 4G, WIFI, Power	
SIM Card	Nano-SIM interface (Compatible with eSIM)	
Antennas	2 x WIFI Antennas (RP-SMA-J interfaces) 4 x 5G Antennas (SMA-J interfaces)	2 x WIFI Antennas (RP-SMA-J interfaces) 2 x 5G Antennas (SMA-J interfaces)
Power	Three-core DC locomotive power socket, built-in power reverse protection	
USB	Type C 2.0	
Reset Button	Through this button, the parameter configuration can be restored to the factory value	
Physical Properties		
Items	Contents	
Shell	Metal Casing	
Dimensions	160x94x37mm	
Weight	801.5g	
Operating Temperature	-20~+60°C	
Storage Temperature	-40~+85°C	
Humidity	95% (No-condensing)	

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Dimension (mm)



Accessories (Optional)

Sucker Antenna Stick Antenna (Standard) All-in-one Antenna



Order Information

Models	Description
FNB310	Cellular (5G NR/5G Redcap), 2.4G/5G WIFI, SIM*1