



## Introduction

FNB600 is a high-performance 5G Outdoor Unit / Outdoor CPE, supports NR (SA&NSA), TDD-LTE, FDD-LTE, converts cellular network data into wired network port data. It has high-speed 2.5G LAN port, PoE power supply. With metal cooling base and IP68 waterproof casing, it is suitable for outdoor harsh environment scenarios that require rapid deployment of FWA (Fixed Wireless Access) applications.



### Standard & Convenience

- ▶ Support standard DC power supply ports. If PoE is not convenient, DC power can be directly deployed.
- ▶ The metal cooling base is used to greatly discharge the internal heat of the equipment in time to ensure the high-speed and stable operation
- ▶ Support power supply from PoE
- ▶ Support Dual-SIM, one main one backup
- ▶ Protection level up to IP68



### High Performance

- ▶ Supports a variety of installation methods, such as hoop and wall-mounted
- ▶ High gain antenna to provide more powerful signal acquisition capability
- ▶ Commercial routing operating system
- ▶ Support frequency locking, community locking, bridge mode, TR069, DDNS, firewall QoS, traffic statistics and other functions

# 5G ODU FNB600



## Product Specification

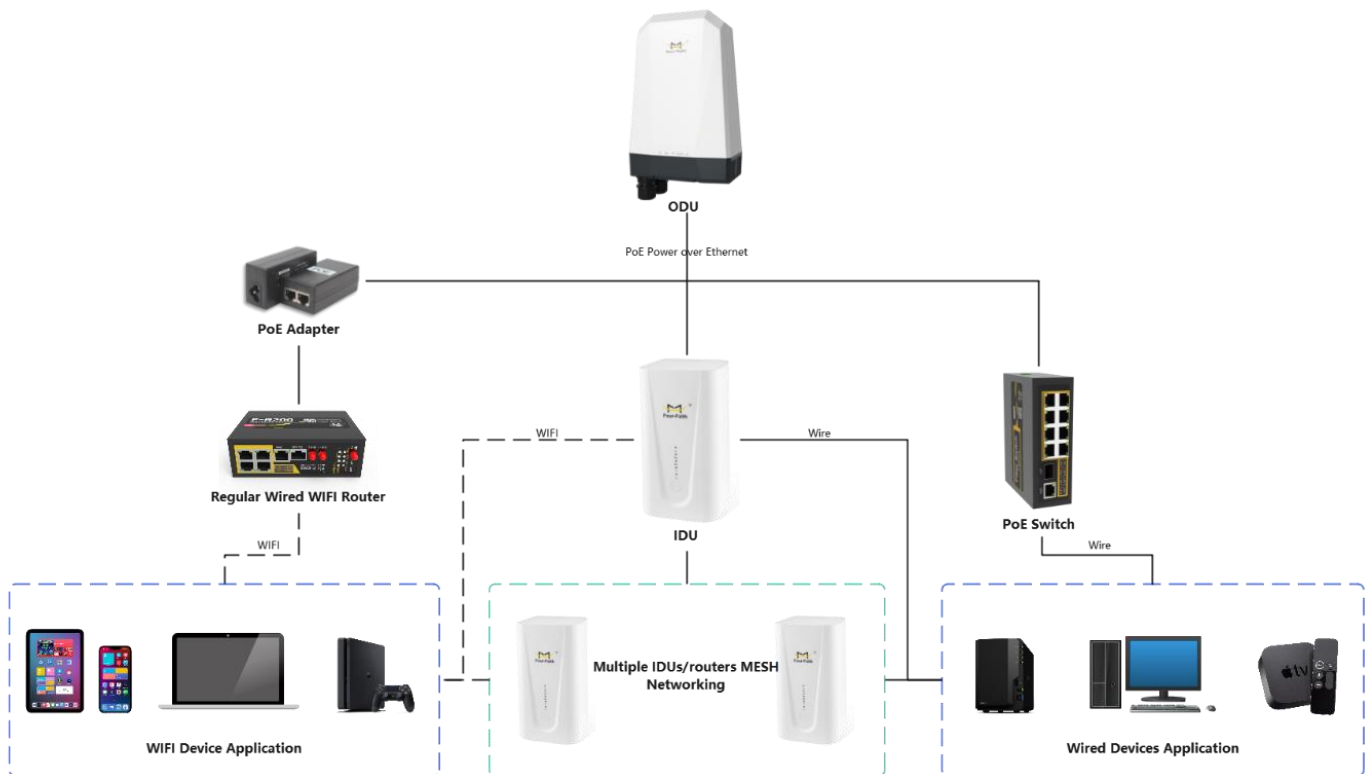
Cellular Specification	
Items	Contents
Frequency Band	<b>5G NR NSA &amp; SA:</b> n1/n2/n3/n5/n7/n8/n12/n14/n20/n25/n28/n30/n38/n40/n41/n48/n66/n71/n77/n78/n79 <b>LTE-FDD:</b> B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B20/B25/B26/B28/B29/B30/B32/B66/B71 <b>LTE-TDD:</b> B38/B40/B41/B42/B43/B48 <b>LAA:</b> B46 <b>WCDMA:</b> B1/B2/B4/B5/B8 Remarks: Different modules support different network standards
MIMO	<b>5G NR:</b> DL 4 × 4 MIMO: n1/n2/n3/n7/n25/n30/n38/n40/n41/n48/n66/n77/n78/n79 UL 2 × 2 MIMO: n41/n77/n78/n79 <b>LTE:</b> DL 4 × 4 MIMO: B1/B2/B3/B4/B7/B25/B30/B32/B38/B40/B41/B42/B43/B48/B66
Theoretical Maximum Bandwidth	<b>5G Sub-6 SA:</b> DL: 4.67 Gbps, UL: 1.25 Gbps <b>5G Sub-6 NSA:</b> DL: 4.47 Gbps, UL: 730 Mbps <b>LTE:</b> DL: 1.6 Gbps, UL: 211 Mbps
Interfaces	
Items	Contents
Ethernet (LAN)	1 x 2.5G Ethernet (RJ45), auto MDI/MDIX
Indicator	Power, Internet, WIFI, 5G/4G, Signal
SIM Card	2 x Nano-SIM interface (1 Main & 1 Backup)
USB	Type C 2.0
Reset Button	Through this button, the parameter configuration can be restored to the factory value
Hardware	
Items	Contents
CPU	Cortex-A55@2.0GHz, Quad-core
DDR3	1GB(8Gbit)
Flash	1GB(8Gbit)
WIFI Specification	
Items	Contents
WIFI Protocol	IEEE802.11 b/g/n
Frequency	2.4GHz (For Configuration Used Only)

# 5G ODU FNB600



Power Supply	
Items	Contents
Standard Power Supply	POE: 802.3af / DC: 12V 1.5A
Physical Properties	
Items	Contents
Shell	PC+ABS Material Cover with Metal Base, IP68* (Device only, test without ethernet cable & power cable. Loose ethernet cables may affect waterproof capacity.)
Dimensions	150x100x240mm
Weight	≅ 1kg
Operating Temperature	-20~+60°C
Storage Temperature	-40~+85°C
Humidity	95% (No-condensing)

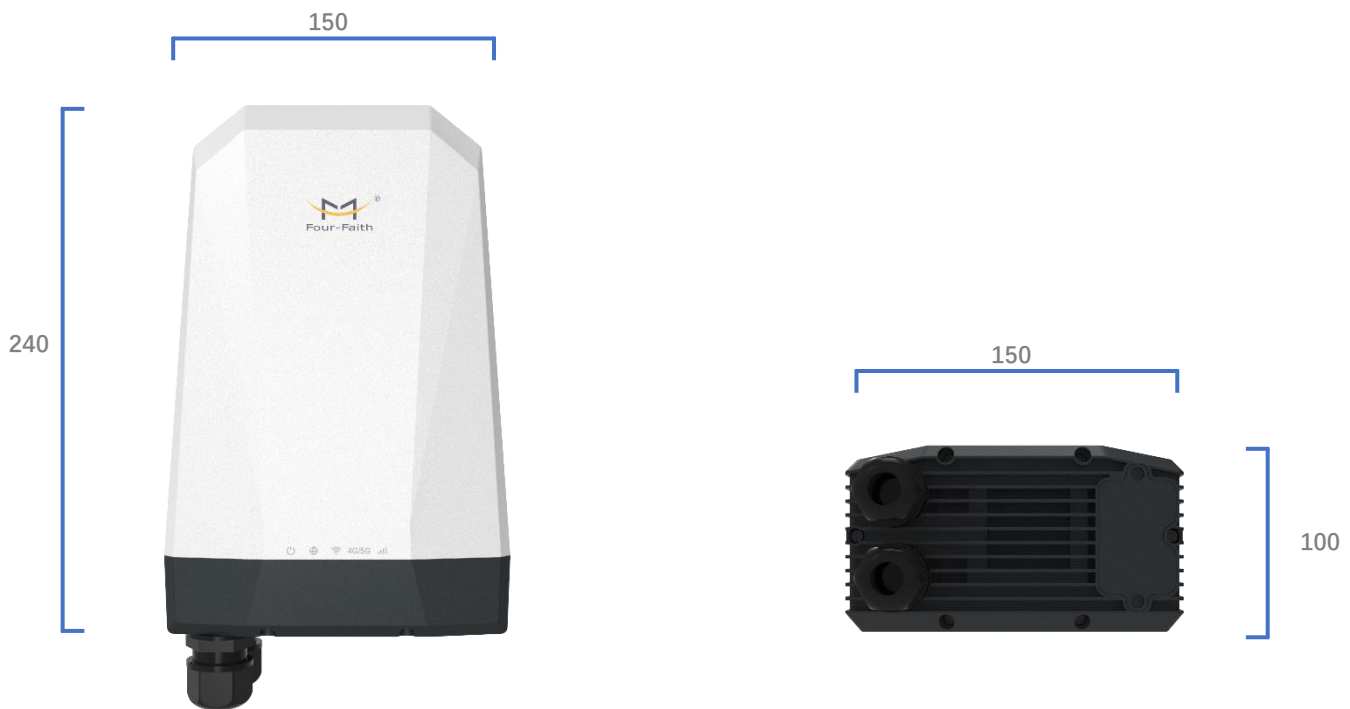
## Topology:



# 5G ODU FNB600



## Dimension(mm):



## Order Information

Models	Description
<b>FNB600-NA</b>	North of America Version Bandwidth: 5G Sub-6: n2/5/7/12/14/25/30/41/48/66/71/77/78 LTE FDD: B2/4/5/7/12/13/14/17/25/26/29/30/66/71 LTE TDD: B41/48 LAA: B46 WCDMA: B2/4/5
<b>FNB600-EAU</b>	European & Aisa Version Bandwidth: 5G Sub-6: n1/3/5/7/8/20/28/38/40/41/71/77/78/79 LTE FDD: B1/3/5/7/8/20/28/32/71 LTE TDD: B38/40/41/42/43 WCDMA: B1/5/8