



## 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

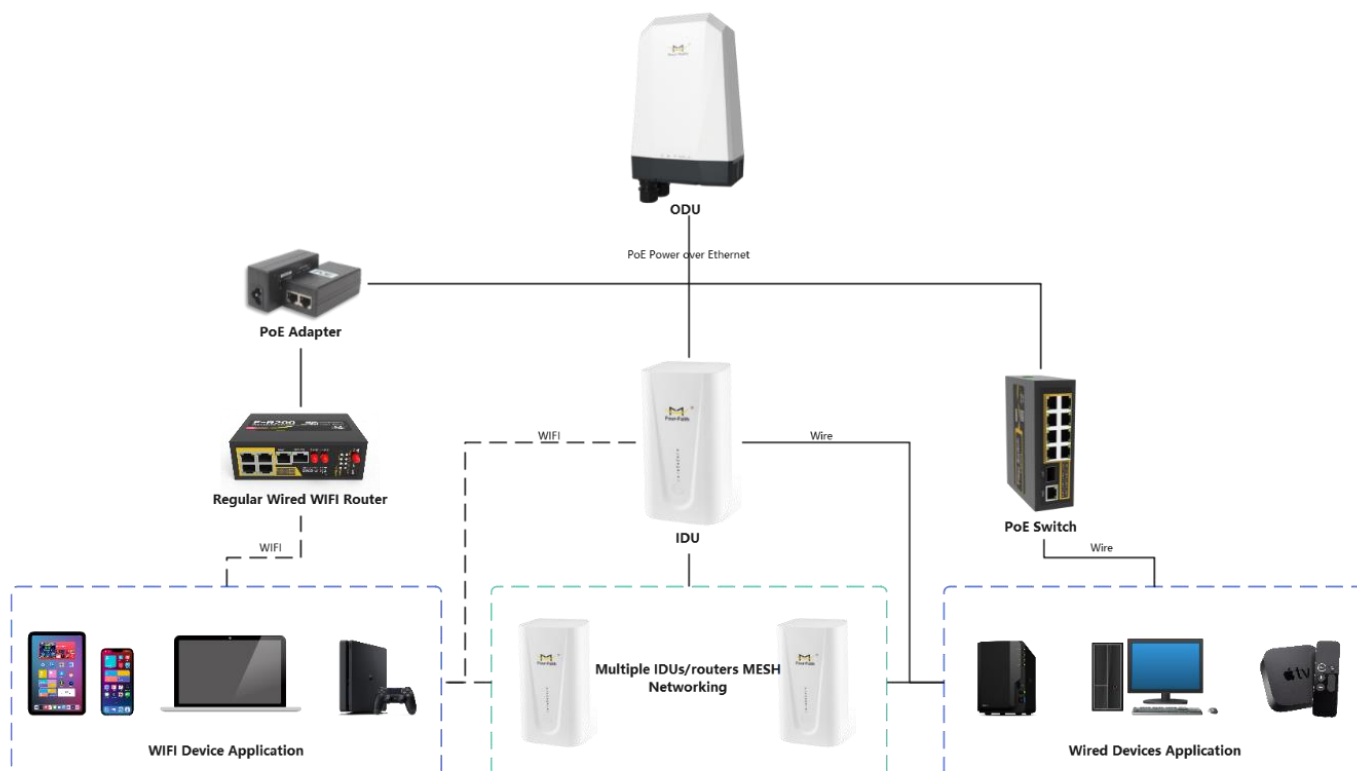
| Cellular Specification        |  |   |
|-------------------------------|--|---|
| Model                         | FNB600-NA  | FNB600-EAU  |
| Items                         | Contents   |   |
| Frequency Band                | <b>5G Sub-6:</b> n2/5/7/12/14/25/30/41/48/66/71/77/78<br><b>LTE FDD:</b> B2/4/5/7/12/13/14/17/25/26/29/30/66/71<br><b>LTE TDD:</b> B41/48<br><b>LAA:</b> B46<br><b>WCDMA:</b> B2/4/5 | <b>5G NR Sub-6:</b><br>n1/3/5/7/8/20/28/38/40/41/71/77/78/79<br><b>FDD-LTE:</b> B1/3/5/7/8/20/28/32/71<br><b>TDD-LTE:</b> B38/40/41/42/3<br><b>UMTS/HSPA+:</b> B1/5/8   |
| MIMO                          | <b>5G NR:</b><br>DL 4×4 MIMO: n2/7/25/30/41/48/66/77/78<br>UL 2×2 MIMO: n41/77/78<br><b>LTE:</b><br>DL 4×4 MIMO: B2/4/7/25/30/41/48/66   | <b>5G NR:</b><br>DL 4x4 MIMO: n1/3/7/38/40/41/77/78/79<br>UL 2x2 MIMO: n41/77/78/79<br><b>LTE:</b><br>DL 4x4 MIMO: B1/3/7/32/38/40/41/42/43   |
| Theoretical Maximum Bandwidth | <b>5G NR Sub-6:</b> DL: 4.67 Gbps, UL: 1.25 Gbps<br><b>LTE:</b> DL: 1.6 Gbps, UL: 211 Mbps   | <b>5G Sub-6 SA:</b> DL 4.67Gbps, UL 1.25Gbps<br><b>5G Sub-6 NSA:</b> DL 4.47Gbps, UL 730Mbps<br><b>LTE:</b> DL 1.6Gbps (CAT19), UL 211Mbps (CAT18)<br><b>UMTS/HSPA+:</b> DL UMTS: 384kbps, UL 384 kbps<br><b>DC-HSPA+:</b> DL 42 Mbps (CAT24), UL 11.5Mbps (CAT7) |
| 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                          | 2GB  | 1GB   |
| Flash                         | 32GB   | 1GB   |
| 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*<br><small>(Device only, test without ethernet cable &amp; power cable. Loose ethernet cables may affect waterproof capacity.)</small> |
| Dimensions            | 150x100x240mm  |
| Weight                | ≦ 1kg  |
| Operating Temperature | -20~+60°C  |
| Storage Temperature   | -40~+85°C  |
| Humidity              | 95% (No-condensing)  |

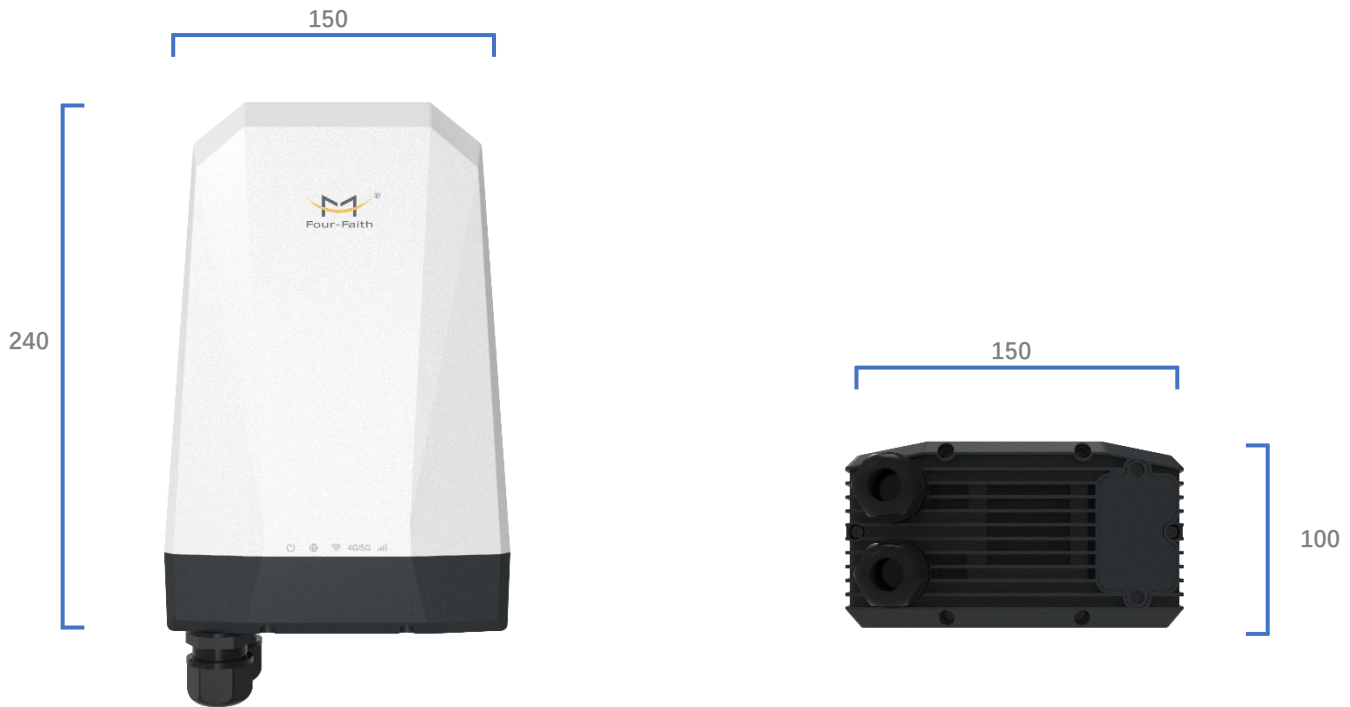
## Topology:



# 5G ODU FNB600



## Dimension(mm):



## Order Information

| Models        | Description  |
|---------------|--|
| FNB600-NA     | 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   |
| FNB600-EAU    | WCDMA: B2/4/5  |
|               | 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 |  |