

FF AIoT 5G ODU FNB600



Introduction

FNB600 is a 5G Outdoor Waterproof Router with MTK T750, 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 receive. With metal cooling base and IP67 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 IP67



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

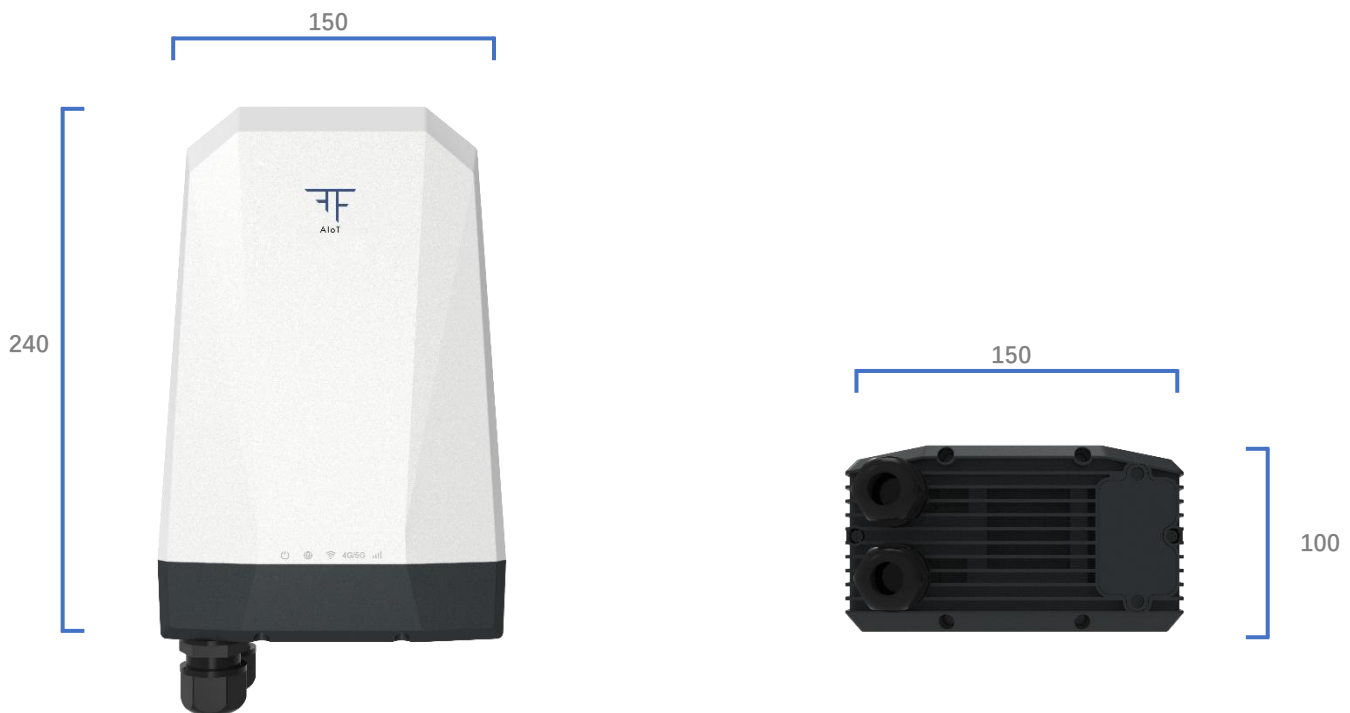
Cellular Specification		
Model	FNB600-NA	FNB600-EAU
Items	Contents	
Frequency Band	5G Sub-6: n2/5/7/12/14/25/30/41/48/66/71/77/78 LTE FDD: B2/4/5/7/12/13/14/17/25/26/29/30/66/71 LTE TDD: B41/48 LAA: B46 WCDMA: B2/4/5	5G NR Sub-6: n1/3/5/7/8/20/28/38/40/41/71/77/78/79 FDD-LTE: B1/3/5/7/8/20/28/32/71 TDD-LTE: B38/40/41/42/3 UMTS/HSPA+: B1/5/8
MIMO	5G NR: DL 4×4 MIMO: n2/7/25/30/41/48/66/77/78 UL 2×2 MIMO: n41/77/78 LTE: DL 4×4 MIMO: B2/4/7/25/30/41/48/66	5G NR: DL 4x4 MIMO: n1/3/7/38/40/41/77/78/79 UL 2x2 MIMO: n41/77/78/79 LTE: DL 4x4 MIMO: B1/3/7/32/38/40/41/42/43
Theoretical Maximum Bandwidth	5G NR Sub-6: DL: 4.67 Gbps, UL: 1.25 Gbps LTE: DL: 1.6 Gbps, UL: 211 Mbps	5G Sub-6 SA: DL 4.67Gbps, UL 1.25Gbps 5G Sub-6 NSA: DL 4.47Gbps, UL 730Mbps LTE: DL 1.6Gbps (CAT19), UL 211Mbps (CAT18) UMTS/HSPA+: DL UMTS: 384kbps, UL 384 kbps DC-HSPA+: 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)	

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Power Supply	
Model	FNB600-NA FNB600-EAU
Items	Contents
Standard Power Supply	POE: 802.3af / DC: 12V 1.5A
Physical Properties	
Items	Contents
Shell	PC+ABS Material Cover with Metal Base, IP67* (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)

Dimension(mm):



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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 WCDMA: B2/4/5
FNB600-EAU	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