



### Introduction

F-NR300 is a high-performance 5G indoor CPE, supports NR (SA&NSA), TDD-LTE, FDD-LTE, converts cellular network data into WIFI and wired network port data, supports 1x1G LAN port, 1x2.5G 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

Model	North American Version	European Version
<b>Cellular Specification</b>		
<b>Items</b>	<b>Contents</b>	
<b>Frequency Band</b>	<b>5G Sub-6:</b> n2/5/7/12/14/25/30/41/48/66/71/77/78 <b>LTE FDD:</b> B2/4/5/7/12/13/14/17/25/26/29/30/66/71 <b>LTE TDD:</b> B41/46/48 <b>WCDMA:</b> B2/4/5	<b>5G Sub-6:</b> n1/3/5/7/8/20/28(a&b)/38/40/41/77/78/79 <b>LTE FDD:</b> B1/3/5/7/8/18/19/20/26/28(a&b)/32 <b>LTE TDD:</b> B38/40/41/42/43/46 <b>WCDMA:</b> B1/5/8
<b>MIMO</b>	<b>5G NR:</b> <b>DL 4x4 MIMO:</b> n2/7/25/30/41/48/66/77/78 <b>UL 2x2 MIMO:</b> n2/7/25/30/41/66/77/78 <b>LTE:</b> <b>DL 4x4 MIMO:</b> B2/4/7/25/30/41/66 <b>Remark: B29 Receive Only</b>	<b>5G NR:</b> <b>DL 4x4 MIMO:</b> n1/3/7/38/40/41/77/78/79 <b>UL 2x2 MIMO:</b> n41/77/78/79 <b>LTE:</b> <b>DL 4x4 MIMO:</b> B1/3/7/32/38/40/41 <b>Remark: B32/B46 Receive Only</b>
<b>Theoretical Maximum Bandwidth</b>	<b>5G Sub-6:</b> DL: 4.67 Gbps, UL: 1.25 Gbps <b>LTE:</b> DL: 1.6 Gbps, UL: 211 Mbps	

# 5G CPE F-NR300

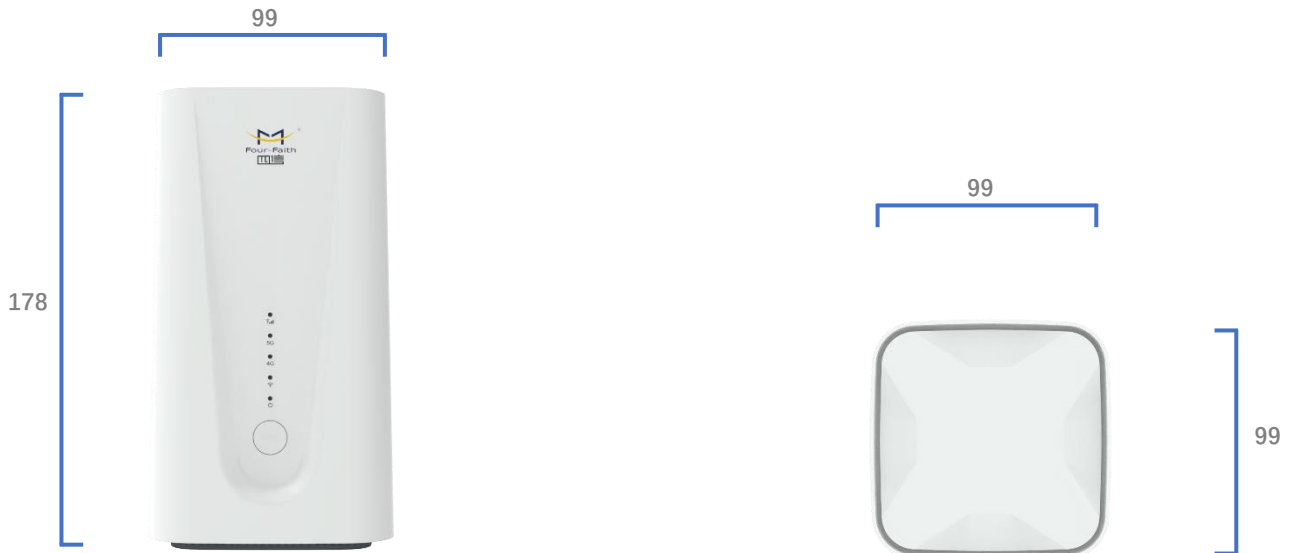


Model	North American Version	European Version
<b>Hardware</b>		
<b>Items</b>	<b>Contents</b>	
<b>CPU</b>	Cortex-A55@2.0GHz, Quad-core	
<b>FLASH</b>	32GB	1GB
<b>LPDDR4</b>	2GB	1GB
<b>WIFI Specification</b>		
<b>Items</b>	<b>Contents</b>	
<b>WIFI Protocol</b>	IEEE802.11 a/b/g/n/ac/ax	
<b>Frequency</b>	2.4GHz+5GHz	
<b>Theoretical Maximum Bandwidth</b>	2.4GHz 4x4MIMO 11ax, 1.146 Gbps	
<b>Bandwidth</b>	5GHz 4x4MIMO 11ax, 2.4 Gbps	
<b>Channel Bandwidth</b>	20MHz, 40MHz, 80MHz	
<b>Power Supply</b>		
<b>Items</b>	<b>Contents</b>	
<b>Standard Power Supply</b>	DC 12V/3A	
<b>Power Supply Range</b>	DC 9~24V	
<b>Working Current</b>	< 1.1A (12V)	
<b>Interfaces</b>		
<b>Items</b>	<b>Contents</b>	
<b>LAN 2 / WAN</b>	1 x 2.5G Ethernet (RJ45), auto MDI/MDIX	
<b>LAN 1</b>	1 x 1G Ethernet (RJ45), auto MDI/MDIX	
<b>Telephone</b>	1 x RJ11 (Optional)	
<b>Indicator</b>	Signal, 5G, 4G, WIFI, Power	
<b>SIM Card</b>	Nano-SIM interface	
<b>Power</b>	Three-core DC locomotive power socket, built-in power reverse protection	
<b>USB</b>	Type C 2.0	
<b>Reset Button</b>	Through this button, the parameter configuration can be restored to the factory value	
<b>Physical Properties</b>		
<b>Items</b>	<b>Contents</b>	
<b>Shell</b>	ABS Material	
<b>Dimensions</b>	178x99x99mm	
<b>Weight</b>	650g	
<b>Operating Temperature</b>	0~+40°C	
<b>Storage Temperature</b>	-40~+85°C	
<b>Humidity</b>	95% (No-condensing)	

# 5G CPE F-NR300



## Dimension (mm)



## Order Information

Models	Description
F-NR300 (EU Version)	Cellular (5G NR), 2.4G/5G WIFI, SIM*1
F-NR300 (NA Version)	Cellular (5G NR), 2.4G/5G WIFI, SIM*1