



5G NR/LTE-A



AX1800 MESH



Versatility



Management

# BRAX FA535

## IDU 5G/4G CPE Std

### Key Features

#### Key Benefits

- Selectable 5G NR or LTE-A
- Wi-Fi MESH
- VPN
- WiFi6
- BLE/Zigbee<sup>1</sup>

#### High Rate Wi-Fi 6

- AX1800
- MESH
- MU-MIMO

#### High Performance

- NSA: 2.5Gbps (DL)/650Mbps (UL)
- SA: 2.1Gbps (DL)/900Mbps (UL)
- CAT16: LTE-FDD 1.0Gbps (DL)/150Mbps (UL)
- CAT12: LTE-FDD 600Mbps (DL)/150Mbps (UL)

#### Security assurance

- Stable firewall
- Multiple filtering rules
- Multiple security protocols
- Support backup of configuration files
- Online upgrade

#### Ideal Use Case

- Home
- Enterprise
- Shop, Store

### Overview

BRAX FA535 is a high-performance CPE that has different selectable models to support 5G NR or LTE-A. It implements the conversion between 5G NR/LTE wireless data and wired Ethernet data. It supports 802.11ax WiFi6 and can be used independently.

### High Performance

BRAX FA535 supports the worldwide 5G NR/LTE network, the highest data rate can arrive 2.5Gbps. And the WLAN supports the newest IEEE 802.11ax standards. The AX1800 WiFi data rate can easily supply the HD video, online game, and high-quality network applications.

### Versatility

BRAX FA535 also support SMS, firewall, VPN, QoS, etc. It satisfies the multi-directional requirements of users. Multiple management and maintenance methods (TR069/CLI/APP\*) are convenient for checking and operating. The software online update tool will also constantly provide the upgrade of these functions.

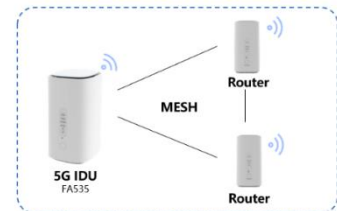
### BLE/Zigbee<sup>1</sup>

BRAX FA535 supports the BLE/Zigbee function. If the user has own IoT platform and protocol, the CPE can provide a Bluetooth or Zigbee remote connection for IoT devices. Then, user can control and management their IoT devices through 5G/4G cellular networks.

IDU CPE + Router MESH Solution



IDU CPE IoT Solution



# BRAX FA535

## IDU 5G/4G CPE Std

## Features & Specification

### Model Selection

#### ● 5G Model: FA535-N51

5G NR: n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/  
n38/n40/n41/n48/n66/n71/n77/n78/n79  
LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/  
B19/B20/B25/B26/B28/B29/B30/B32/B66/B71  
LTE-TDD: B34/B38/39/B40/B41/B42/B43/B48  
LAA: B46  
WCDMA: B1/B2/B3/B4/B5/B6/B8/B19

#### ● CAT16 Model: FA535-S11

LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/  
B19/B20/B25/B26/B28/ B292/B30/B32/B66;  
LTE-TDD: B38/B39/B40/B41/B42/B43/B46/B48(CBRS)  
WCDMA: B1/B2/B3/B4/B5/B8/B9/B19

#### ● CAT12 Model: FA535-E11

LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B9/B12/B13/B14/B17/  
B18/B19/B20/B21/B25/B26/B28/B29/B30/B32/B66  
LTE-TDD: B38/B39/B40/B41  
WCDMA: B1/B2/B3/B4/B5/B8/B9/B19

### 5G NR/LTE Antennas

- Internal 4\*4 5G antennas
- Internal 4\*4 LTE antennas
- LB: 2dBi
- MHB: 4dBi
- External ports

### Wi-Fi Antennas

- Internal 2\*2 2.4GHz antennas
- Internal 2\*2 5GHz antennas
- Gain: 3dBi

### Wireless Module

- Auto/manually network search
- Dual Link backup
- Traffic statistics
- SMS

### Network Protocols and Features

- Operation modes: Bridge or Routed
- Connection modes: PPPoE/DHCP/Static
- IPv4, IPv6, IPv4/IPv6
- DHCP v4/v6 server
- Static (v4/v6) routing
- NAT/ALG/DMZ/virtual server
- ARP/ICMP/DNS proxy
- NTP
- VLAN
- VPN: PPTP/L2TP/IPSec

### Security

- Built-in firewall
- Defense of DoS, ARP attacks/Port scan
- MAC/Port filtering
- 802.1x

### Quality of Service Control

- 802.11e
- Classification of service flow\*
- Port/VLAN/ IP rate limitation

### Wireless LAN

- Support 802.11 a/b/g/n/ac/ax standards
- 20/40/80 MHz bandwidth
- Channel adaption
- MSSID + Guest network
- WPS: PBC/PIN modes
- WPA/WPA2/WPA3 security
- Beamforming
- DL MU-MIMO & OFDMA

### MESH

- Wi-Fi Son/EasyMESH\*
- One-button Matching

### Management

- WebUI local management
- TR069 remote management
- Universal Plug and Play (UPnP)
- Online and local software upgrade
- Syslog

### Hardware Specification

#### Physical Interface

- 1×USB3.0
- 4×GE ports (1GE WAN/LAN transform)
- 1×Power port
- 1×SIM slot
- 2×TS-9 External Antennas port

#### Button

- WPS/MESH Button
- Reset Button
- Power Button

#### LED indicators

- 5G NR indicator
- 4G LTE indicator
- 5G Wi-Fi indicator
- 2.4G Wi-Fi indicator
- LAN port indicator
- Internet indicator
- Power indicator

#### Physical specification

- Dimensions: L113.8\*W95.4\*H186mm
- Operating temperature: -10°C to 45°C
- Storage temperature: -40°C to 70°C
- Humidity: 5% – 95% (non-condensing)

\*: developing  
1: optional

## Interface Diagram

