

5G FWA Indoor CPE



Engaged Your Last Mile of 5G FWA Service



F6000

The Coiler's 5G CPE F6000 device is created to help operators capitalize on the growing 5G market. It can deliver a signal, high gain indoor device that is easy to deploy and can connect wireless to the mobile network. With carrier aggregation between supported bands, the gateway improves performance and reliability by using the best 4G and 5G signals.

With Coiler CPE you can get lightning fast downloads, ultra-low latency and reduced congestion to meet all streaming and gaming network needs for residential, enterprise, and remote workers.

Plug and play device supports LTE and 5G across various frequencies and rates. A Dual-Core CPU provides fast and consistent 5GNR access.

Coiler's 5G NR CPE F6000 solution delivers the last-mile of 5G Fixed Wireless Access (FWA) services from operators and is your best choice to experience 5G technology benefits.

Coiler 5G CPE Series



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Coiler Corporation offers an extensive portfolio of indoor and outdoor repeaters for RF signal enhancement. Our products allow mobile network carriers, system integrators and cell phones users to quickly and cost-effectively address coverage considerations and improve reception in iDEN, CDMA, GSM, DCS, PCS, UMTS, WiMAX and LTE networks. Some global operators such as Vodafone, Orange, T-Mobile, Telefonica o2, Telenor, Tele2, Singtel, KPN and others have trusted our experience and expertise.

www.coiler.com.tw





System

CPU	MTK 750
Memory	1GB DDR4+1GB NAND
Standard	3GPP Rel-15 2CC CA,
Antenna Sending	Internal MIMO
Mode Transiting	2Tx
Mode Receiving	4Rx

Technical Specification

RF Specification

Operation Frequency	<ul style="list-style-type: none"> LTE B1/3/5/7/8/20/28/32/38/40/41/42/43 5G NR N1/3/5/7/8/20/28/38/40/41/77/78
5G Feature Support	<ul style="list-style-type: none"> NSA TDD: Max 3.74 Gb/s (DL)/ 1.46 Gb/s (UL) SA TDD : Max 4.67 Gb/s (DL)/ 2.5 Gb/s (UL) UL 256-QAM & DL 256-QAM DL 4x4 MIMO on n1/n3/n7/n38/n40/n41/n77/n78 UL 2x2 MIMO on n41/n77/n78 FDD supports SCS 15 kHz and 5G NR TDD supports SCS 30 kHz SA and NSA operation modes Option 3x, 3a, and Option 2
LTE Feature Support	<ul style="list-style-type: none"> Both FDD & TDD 1.4 to 20 MHz RF Bandwidth Comply DL 4x4 MIMO on B1/B3/B7/B38/B40/B41/B42/B43 UL QPSK,16-QAM and 64-QAM & 256-QAM modulation DL QPSK,16-QAM and 64-QAM & 256-QAM modulation Max. 1.6 Gb/s (DL)/ 211 Mb/s (UL)
Transmit Power	<ul style="list-style-type: none"> LTE-FDD: Class 3 (23 dBm ±2 dB) LTE-TDD: Class 3 (23 dBm ±2 dB) 5G NR: Class 3 (23 dBm ±2 dB) 5G NR n41/n77/n78 bands UL MIMO HPUE1: Class 2 (26 dBm +2/-3 dB)

WiFi Specification

WIFI Chip-set	MT7915
Support	802.11a/b/g/n/ac/ax(2*2)
Frequency Band	2.4G(2.4~2.4835GHz) & 5.0G(5.15~5.925GHz)
User Numbers	64
MIMO	MU-MIMO,2X2

Mechanic & Electronic Specification

Weight	700g (Excluding accessory and box)
Dimension	H184 * W110 * D105 mm
LED Indicator	5G、4G、WiFi、Power
Working Temperature	-10°C~40°C
Humidity	90~95%
Power	DC12V ,2A / AC: 100V-240V 50Hz/60Hz
Consumption	ON State: MAX. 36W OFF State : MAX. 0.5W
LAN	2xRJ45 Ethernet Port (1xLAN/WAN auto-sensing 1Gigabit, 1xLAN 1Gigabit)
	1xRJ11 VoicePort
WPS	WiFi-Protect Setup
SIM	Nano SIM, eSIM(Optional)

Standard Package

Inner Box Including	F6000 CPE x1、Power Adapter x1、LAN Cable x1、Phone Cable x1、Quick Installation Guide x1
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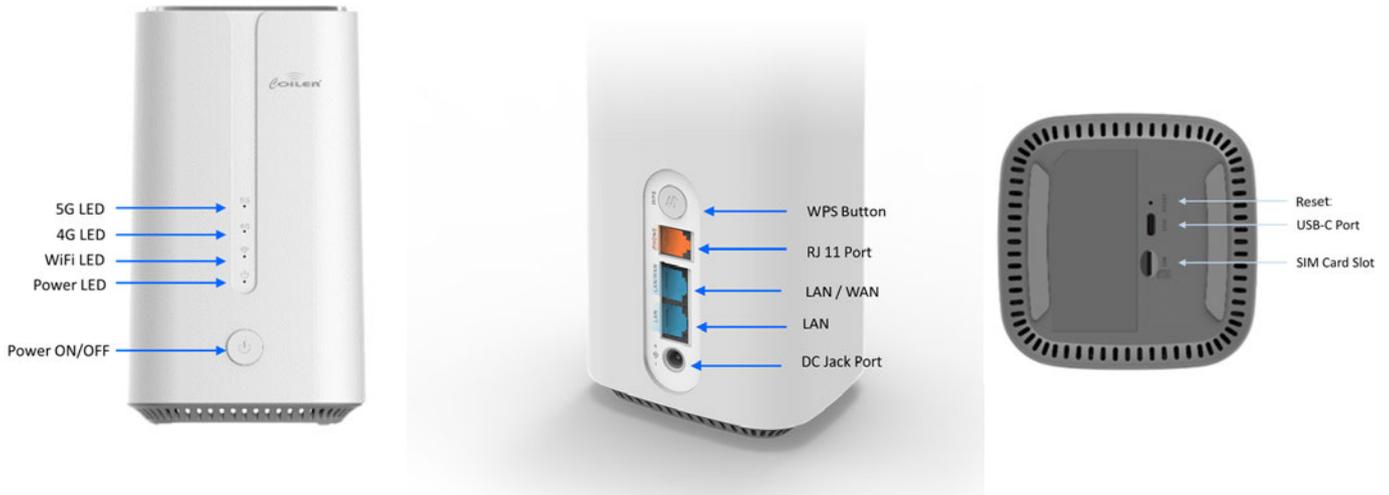
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F6000 5G NR FWA Indoor CPE



Functions Indication



Coiler 5G CPE Series

Features & Benefits



Platform

MTK T750



Memory

RAM 1GB
ROM 1GB



WiFi Antenna

MIMO 2x2



Internet Protocol

IPv4/IPv6



Band

WCDMA/HSPA B1/B3/B5/B8...
TDD B38/B40/B41...
FDD B1/B3/B5/B7/B8/B20/B28...
5G N1/3.../38/40/41/77/78...



Ethernet Port

WAN/LAN×1, LAN×1



OS

LINUX



WiFi Rates

600Mbps @40MHz
1200Mbps @80MHz



Connections

64.



LED

5G/4G/POWER/WiFi



Upgrade

FOTA, TR069



SIM Card

nano SIM



WiFi 6

MT7915+MT7975
802.11a/b/g/n/ac/ax



Data Rates

5G NR
DL/UL 4.6Gbps/2.5Gbps



Button

Power/Reset/WPS

- Built-in WiFi 6 mobile hot spot distributes High-speed, High-performance WiFi to all your devices
- Built-in 5G Full-band antenna, 360° Signal Reception for Superior Connectivity
- Signal Reception Radiation radius of more than 50 meters
- Support 2.4G and 5G WiFi Bands
- Support SA and NSA Operation Modes
- Support WPA3 Encryption for more Protection.
- Support WebGUI management and Configuration.
- Support 64 surfing Users.
- SIM card slot supports 5G or 4G/LTE.

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