



Overview

IH838C is a new generation of 5G CPE products launched by IHUA Link. It can convert 5G wireless signals into Wi-Fi signals, which meets the requirements of wireless networks, and provides high-speed and stable 5G network access for other devices.

The product adopts Unisoc V510 high-speed 5G solution design, conforms to 3GPP Release 15 standard, and can support independent networking (SA) and non-independent networking (NSA) deployments. Compatible with 4G multiple network standards. It integrates the Qualcomm Wi-Fi 6 chip, supports 2.4G/5G dual bands DBDC and enables multiple users to simultaneously access, and enjoy high-speed network.

Features



5G Sub-6

NSA:
DL 2.6Gbps/UL 575Mbps
SA:
DL 2Gbps/UL 1000Mbps



Wi-Fi 6

802.11 a/b/g/n/ac/ax
2.4G & 5G dual-band
1800Mbps



FOTA

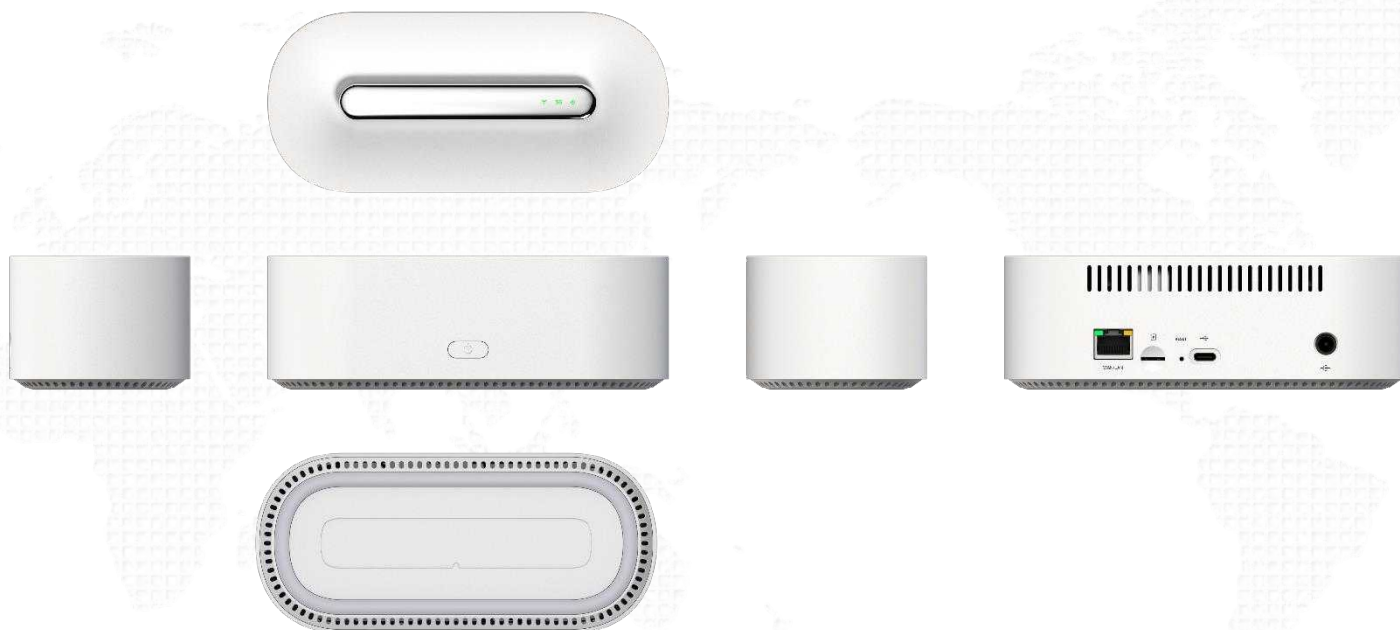
Continuous system
maintenance and
function upgrade



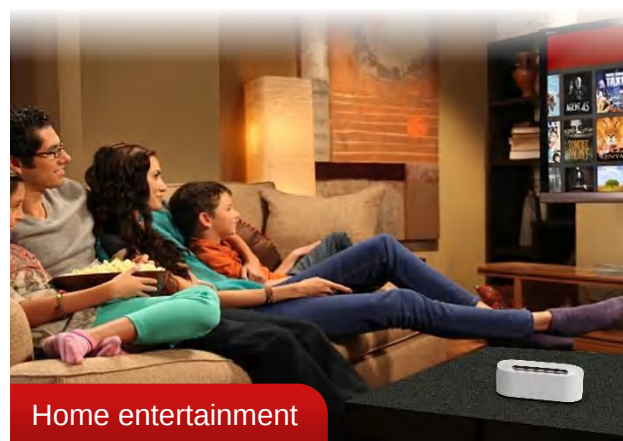
User Access

Wi-Fi supports
simultaneous access of
32 users

Appearance |



Application Scenarios |



Basic Information

Form Factor	5G IDU CPE
Dimension	About 160*72*53mm
Weight	About 530g
Color	White

Air Interface

Technical Standard	5G NR Sub-6GHz, FDD-LTE
Frequency	[5G NR]: FDD: N1/N3/N5/N7/N8/N20/N28 TDD: N38/N40/N41/N77/N78/N79 [LTE]: FDD: B1/B3/B5/B7/B8/B20/B28 TDD: B34/B38/B39/B40/B41 【UMTS】 B1/B5/B8
Wi-Fi	Support Wi-Fi 6 2.4GHz&5.8GHz, WIFI 2*2 MIMO, 802.11 a/b/g/n/ac/ax, DBDC

Performance

Maximum Data Throughput	DL256QAM and UL 256QAM 【SA】 DL 2Gbps and UL 1Gbps DL 2Gbps (100 MHz, 256-QAM, 4 × 4 MIMO) UL 1Gbps (1 CC 100 MHz, 256-QAM, 2 × 2MIMO) 【NSA-ENDC】 DL 2.6Gbps and UL 575Mbps DL 0.6Gbps (LTE 6L, 256QAM) + 2Gbps(NR 1CC 100MHz, 256-QAM, 4*4 MIMO) UL 75Mbps(LTE 1L, 64-QAM) + 500Mbps(NR 1CC 100MHz, 256-QAM)
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Hardware

Receive Diversity	Support
MIMO	[DL 4*4 MIMO]: N1/N3/N7/N38/N40/N41/N77/N78/N79 [DL 4*4 MIMO]: B28 (Optional) [DL 2*2 MIMO]: N5/N8/N20
BB Chipset	UnisocV510
Wi-Fi Chipset	QCN2064
Memory	4Gb+4Gb
Power Consumption	< 18W
Adapter	12V/1.5A
USIM/SIM	4FF SIM Card*1
LED	Power indicator*1, WIFI indicator*1, 5G network indicator*1, Eth indicator
USB	USB2.0, Debug only
Antenna	Internal Antenna: [TX/RX]: 2T4R [Gain]: 699-960MHz: 0~2dBi 1710-2690MHz: 1~3dBi 3300-5000MHz: 3~5dBi WIFI: 2T2R [Gain]: 2.4GHz: 3dBi 5GHz: 4dBi
Buttons	RESET, POWER
Ethernet	1*GE
RJ11	Not support

Software

ESD	ESD Protection circuit: 8kV contact / 10kV air discharge.
SW Update	Local Update, FOTA、TR069
Wi-Fi Mode	AP mode
Wi-Fi Security	OPEN & WPA2-PSK & WPA-PSK/WPA2-PSK & WPA3
SMS	Support
IPV4/IPV6	Support
Firewall	Mac/IP address filter, Port forwarding, Wi-Fi Black/White list
Data Statistics	Support
VPN Pass Through	PP2P/L2TP/IPSec
SNTP	Support
DMZ	Support
HTTP/HTTPS	Support
TR069	Support

Environment

Automatic APN Matching According to USIM	Support
Operating Temperature	0°C ~ 45°C
Storage Temperature	-20°C ~ +70°C
Humidity	5% ~ 95%

