



Enjoy 5G Speed Sharing Everywhere

5G AX3000
Wireless Dual-Band Gigabit
Router

Model:IH858L



The IH858L is an indoor 5G CPE which supports Wi-Fi6 AX3000, take advantage of your advanced 5G network with download speeds up to 3.3Gbps. Share your 5G network with multiple Wi-Fi devices and enjoy uninterrupted Ultra HD movies, blazingly fast file downloads, and smooth video chats and video conferences. At the same time, IH858L is backward compatible with 4G mode.

Plug and Play, Enjoy 5G Network Everywhere

Traditional broadband or cable installation is expensive and time-consuming for your vacation home, farm, or suburban warehouse. Long contract periods also create headaches for short-rentals, pop-up venues, and temporary shops to access the internet. IH858L ensures a comfortable and no-block network installation. Plug in your SIM card and enjoy high-speed internet.

Available WAN connection Backup

The Gigabit WAN/LAN port enables IH858L to work as a traditional Wireless router which is compatible with cable, fiber, and DSL Modems. And when it's set as a wireless router, its 5G/LTE connection works as a backup to provide a sustained and reliable internet connection for you.

HighLight

Boost Your 5G speed - 5G DL speeds up to 3.3Gbps, share your 5G network with Multiple Wi-Fi devices

AX3000 Dual-Band Wi-Fi6 Speed - 802.11 a/b/g/n/ac/ax, DBDC up to 3.6 Gbps

Plug & Play - Enjoy 5G Network right after inserting a SIM Card, Cable free

Gigabit WAN/LAN Port - provides reliable wired connections for bandwidth-intensive devices such as game consoles and IPTVs

Better Signal for connections for Everywhere - enjoy stable and efficient connections to every device.

Wi-Fi Router Mode - plug an Ethernet cable into the WAN/LAN port for flexible access as a backup option if you can't get a 5G connection



Hardware Specification

Item	Description
Chipset	QUALCOMM SDx62, Wi-Fi: Qualcomm WCN6856
Flash	8Gb
Memory	8Gb
Network status	Compatible with LTE, 5G Sub6, 802.11 a/b/g/n/ac/ax
Indicators	PWR,Wi-Fi,5G,4G
SIM Card	4FF SIM card support SIM/USIM/UIM, standard 6 PIN SIM card interface, support 3V SIM card and 1.8V SIM card; internal push-pull SIM slot *eSIM for optional
WiFi	2.4GHz&5.8GHz, WIFI 2*2 MIMO, 802.11 a/b/g/n/ac/ax, DBDC
Ethernet Interface	2*10/100/1000 Mbps Ethernet Interface(1WAN+1LAN)
Voice Interface	* 1*RJ11 Port (for optional)
Interface	1*WAN+1*LAN ● 2*1000Base automatic adaptive port (default) 1*2. ● 5Gbps + 1*1Gbps port (optional) 1*RJ11, support VOIP/VOLTE/VONR (optional)
Button	POWER, Reset, WPS
5G Antenna	Internal Antenna,built-in DL:4*4 MIMO (only low frequency band 2*2 MIMO), built-in high gain omnidirectional
Dimensions&Weight	217.5*112*112mm,about 800g
Power Consumption	<18W
Power Input	DC 12V/1.5A
Operating Temperature	0℃-40℃
Storage Temperature	-20℃-70℃



4G/5G Specification

Item	Description
Standard	3GPP Release 16, NSA & SA
Bands	EA version: n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n75/n77/n78 B1/B3/B5/B7/B8/B20/B28/B32/B38/B40/B41 SA version: n2/n5/n7/n8/n12/n13/n28/n66/n38/n40/n41/n77/n78 B2/B4/B5/B7/B8/B12/B13/B28/B66/B38/B40/B41/B42/B43 NA version: n2/n5/n12/n13/n14/n25/n26/n29/n30/n41/n48/n66/n71/n77/n78 B2/B4/B5/B12/B13/B14/B25/B26/B29/B30/B41/B42/B43/B48/B66/B7 1
LTE&NR antenna	DL:4*4 MIMO (only low frequency band 2*2 MIMO)
Network status	5G NR/ LTE
IPv4& IPv6	Support IPv4/ IPv6 / IPv4&IPv6 dual stack
Peak Data Speed	5G SA NSA mode • 5G NR: (DL/UL) 3.4Gbps/900Mbps • LTE: (DL/UL) 1.6Gbps/200Mbps
HPUE	Transmit Power: 26 ± 2.7dBm (Power Class 2), 5G: n78, support HPUE
Output Power	TDD NR:26 ± 2dBm(PC2) FDD NR:23 ± 2dBm LTE:23 ± 2dBm



Wi-Fi Specification

Item	Description
Wi-Fi Frequency	2.4GHz&5.8GHz, IEEE802.11ax/ac/a/b/g/n,
Wi-Fi Antenna	built-in 2x2 MIMO omnidirectional antenna
Wi-Fi Channel BW	20MHz,40MHz,80MHz,160MHz
Wi-Fi Concurrent Users	32

4 Application Scenarios



Temporary store



Private Villa



Remote Area



Conference Room



Farm&Finca



Lodging

5 Packaging information

item	Description	QTY	Remark
1	IH858L	1	
2	User manual	1	
3	12V/1.5A power adapter	1	
4	Ethernet cable	1	
5	Paper box	1	