



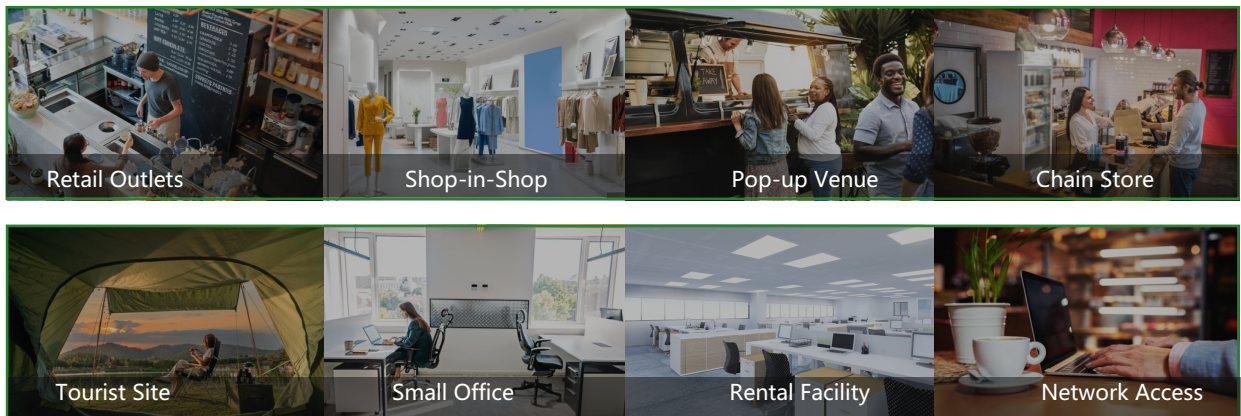
Connecting the Future, Creating Brilliance

# 5G FWA02 Router

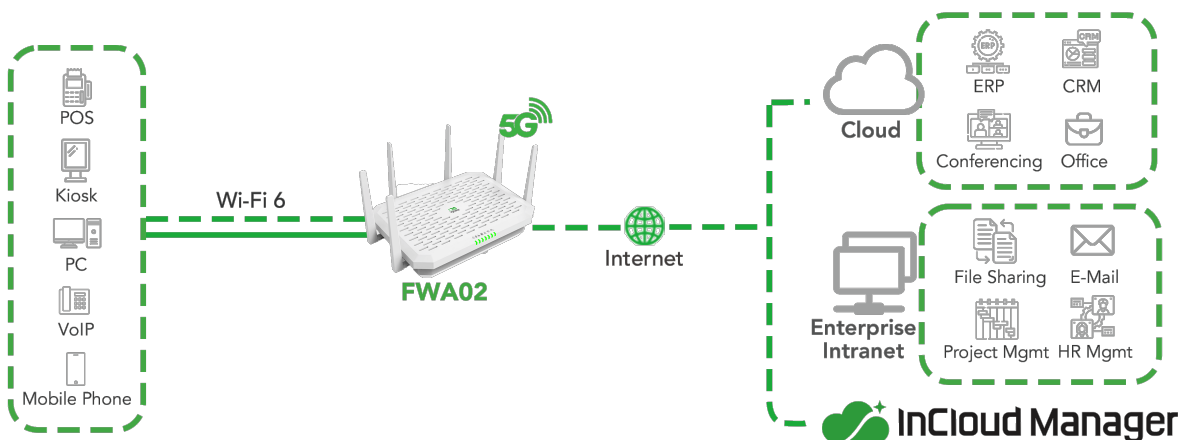
- 5G
- Wi-Fi 6
- Cloud-Managed Networking Solution

The InHand Networks FWA02 5G router forms part of the latest offerings in InHandNetworks 's Cloud-Managed Network Solutions. These are designed to assist small and medium-sized businesses (SMBs) and large enterprises transition to advanced, more adaptable, and robust network solutions without hefty IT costs. Particularly beneficial for retail outlets, small offices/home offices (SOHOs), and pop-up venues, the InHand Networks FWA02 ensures access to high-speed 5G and reliable connectivity anytime, anywhere with utmost convenience.

We turn business internet into plug-and-play simplicity, so you can focus solely on your business.



## Application



## Features and Advantages

### Plug and play high-speed 5G

FWA02 5G brings high speed internet to your business instantly, no need to wait.

- High speed 5G, DL up to 4.76Gbps, UL up to 1.25Gbps
- Fallback to high speed LTE Cat 19
- Both SA and NSA, 5G Sub-6GHz, low and mid C bands
- Desktop or wall-mount, fits your store or office layout

### Agile and secure Wi-Fi 6

FWA02 supports up to 128 Wi-Fi devices, facilitates a flexible IT configuration in your store or office.

- 802.11ax Wi-Fi 6
- Maximum speed 3600Mbps
- 2.4G and 5G dual frequency concurrent, 4\*4 MIMO
- Enhanced Wi-Fi security

### “Always-on” connectivity

FWA02 provides reliable and robust connectivity, ensure your business operation and improve your customer satisfaction.

- 5G/wired backup, cellular link failover
- Quick failover among multiple WANs, Dual SIMs and WAN/LAN port
- Multi-layer link detection, automatic connection recovery

### Reliable and worry-free

The InHand Networks FWA02, featuring industrial-grade designs, comes with a three-year warranty, ensuring reliable operation for your business.

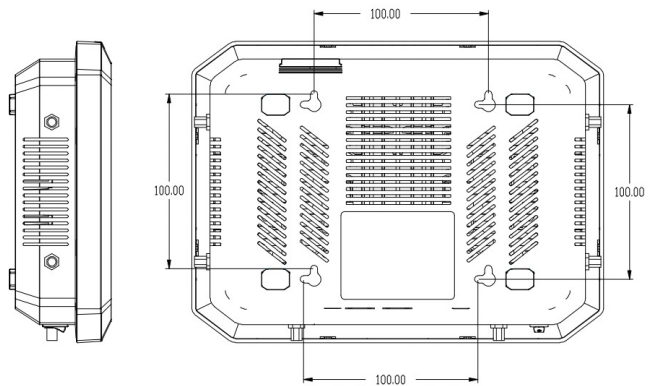
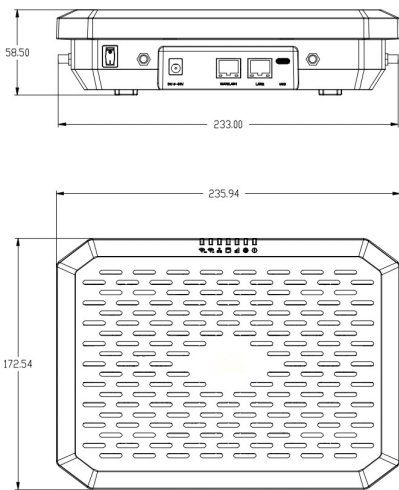
- 6 external 5G antennas for strong signal reception
- Built-in 4 Wi-Fi antennas for extensive coverage
- Effective heat dissipation design
- Wall and desktop installation

### InHandNetworks Cloud-Managed Networking Solution for business

The FWA02 and the InCloud Manager deliver seamless cloud management of distributed sites at scale, monitor your network in real time and enhance IT management efficiency anywhere, unlocking the full potential of your network.

- Zero-touch deployment, Plug & Play start up, no need to send IT professionals to remote site
- Unified cybersecurity setup for every site
- Intuitive GUI
- Mobile App enables network management on the go

## Dimensions (mm)



Dimensions: 236\*172.5\*58.5 (mm)

# Product Specifications

5G FWA02 Hardware Specifications	
<b>Hardware Platform</b>	
Stateful Firewall Throughput	2Gbps
Recommended No. of Users	220 (128 Wi-Fi devices)
<b>Interfaces</b>	
Cellular	5G: 4.76Gbps (DL)/1.25Gbps (UL) 4G: 1.6Gbps (DL)/200Mbps (UL)
Ethernet Port	2*2.5 GbE RJ45 WAN/LAN switchable, Dual-LAN
USB	1*Type-C , USB 2.0 , Supports HOST and SLAVE modes
SIM	1*eSIM 2*SIM, Nano SIM slot, Hot plug
Reset	Reset button
Power Switch	1*button
Lights	System, Cellular, Signal, WAN, LAN, Wi-Fi
Antenna Interface	6*external sub6 antenna, 4*built-in Wi-Fi antenna
<b>Wi-Fi</b>	
Radio Frequency	2.4GHz&5.8GHz
Max Transmission Bandwidth	3600Mbps
Transfer Protocol	802.11 ax/ac/b/g/n
Operating Model	AP mode
<b>Power Supply</b>	
Power	Circular interface, 12V 2A
Power Consumption	≤15W
<b>Mechanical Features</b>	
Installation	Wall mounted, desktop mounted
Dimensions & Weight	236*172.5*58.5 (mm), 2.2lbs
<b>Environment</b>	
Working Temp.	-10°C to 50°C
Storage Temp.	-40°C to 85°C
Humidity	5% to 95% (non-condensing)
Ingress Protection	IP20
<b>Physical Properties</b>	
Shockproof	IEC60068-2-27
Vibration Resistance	IEC60068-2-6
Free Fall	IEC60068-2-32
<b>Certifications</b>	
Certification	FCC, IC, PTCRB, VZW, ATT*, TMO*, CE*
Warranty	3 years

Note: The functions marked with \* are not available yet.

5G FWA02 Software Specifications	
<b>Cloud Management</b>	
	Centralized management platform
InCloud Manager	Simple and intuitive dashboard User-friendly management Batch upgrade and management
<b>Uplink Management</b>	
Network Access	Multiple network access, 5G/4G cellular network access, ETH network access
Dial-up Service	PPPoE, cellular automatic redial, dual SIM switching, APN configuration
Smart Link	Link backup/packet-by-packet load balancing among multiple links Real-time detection of link delay, jitter, and packet loss Supports priority adjustment
<b>Monitoring &amp; Alerts</b>	
Dashboard	Device information, interface status, and refined traffic
Link Monitoring	Link delay, jitter, packet loss, and throughput monitoring
Cellular Signal	Real-time view of cellular signal strength, RSSI, RSRP, RSRQ, SINR
Data Security	System logs, diagnostic logs, device events, email alerts
<b>Network Functions</b>	
IP Protocol	IPv4/IPv6*
IP Application	VLAN, DHCP server/client, DNS, DDNS, fixed address assignment, IP passthrough
Interface Management	Duplex mode, link negotiation rate, interface enable
Wi-Fi 6	802.11 ax/ac/b/g/n , Wi-Fi 6, AP
Policy Management	Policy routing, traffic shaping
Self Recovery	Built-in software and hardware watchdog, self-healing equipment operation failure, to ensure the equipment maintains high availability
<b>Security</b>	
VPN	IPSec VPN, L2TP VPN
Firewall	Access control, port mapping, port forwarding, MAC address filtering, Firewall filtering based on MAC, IP, port, and protocol
<b>Remote Maintenance</b>	
Remote Access Control	Supports Web/CLI remote access
Cloud Connection	Remote maintenance of PCs, monitoring equipment, servers, etc.
Network Diagnostics	Ping, Traceroute, network packet capture tools, diagnostic logs
Configuration Backup	Supports configuration import and export

# Ordering Guide

Model	Model code: FWA02-<WMNN> <WMNN>: Type & Module
FWA02-NAVA	(For North America , Verizon , AT&T) 5G Sub 6 : n2/5/7/12/14/25/30/41/48/66/71/77/78 LTE FDD: B2/4/5/7/12/13/14/17/25/26/29/30/66/71 LTE TDD: B41/46/48
FWA02-NATM	(For North America, T-Mobile) 5G Sub 6: n25/41/66/71 LTE FDD: B2/4/5/12/66/71 LTE TDD: 41 LAA: B46
FWA02-EUNR	(For Europe/Australia/Asia) 5G Sub 6: n1/3/5/7/8/20/28/38/40/41/71/77/78/79 LTE FDD: B1/3/5/7/8/20/28/32/71 LTE TDD: B38/40/41/42/43



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## About Us

InHandNetworks Networks is a leading IoT solutions provider founded in 2001, dedicated to driving digital transformation across industries and empowering customers to unlock their full potential and achieve accelerated growth.

We specialize in delivering industrial-grade connectivity solutions for diverse sectors, such as enterprise networks, industrial and building IoT, digital energy, smart commerce, and mobility. Our comprehensive product portfolio and services cater to various applications worldwide, including smart manufacturing, smart grid, intelligent transportation, smart retail, etc. With a global footprint spanning over 60 countries, we serve customers in China, the United States, France, Germany, the United Kingdom, Italy, and beyond.



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