

Hybrid Router 4G

Wi-Fi LTE router with VoLTE and smart home hub



The Hybrid router is a combined wireless access point for your everyday internet use and a smart home hub that allows you to take advantage of smart home devices available from different vendors - all controlled through the same app. The Hybrid Router enables multi-WAN support, so LTE can be used as fail-over or load balance.

LTE Band Support

	Latin-America	Europe
LTE-FDE	• B1/B2/B3/B4/B5/ B7/B8/B28/B66	• B1/B3/B7/ B8B20/B28
LT_TDD	• B40	• B38/B40/B41
WCDMA	• B1/B2/B4/B5/B8	• B1/B8
GSM/EDGE	• B2/B3/B5/B8	• B3/B8

Router Features

- MAC encapsulation routing
- Network Address Translation (NAT)
- NAT
- DHCP client/server/relay with DHCP option 43/60/61/125
- DNS proxy/dynamic DNS
- Static/Policy route
- IGMP v1, v2, v3
- IPv4/IPv6

VLAN/QoS

- 802.1Q VLAN tagging/un-tagging
- Support flexible traffic classification

Wireless

- Wireless Protected Setup (WPS)
- WMM
- WPA2/WPA2-PSK with TKIP & AES
- Security type
- MU-MIMO support

Firewall & Security

- Generic packet filter
- DoS attack prevention
- Parental control

Hardware Specifications

- Wireless:
- 2 x 2 antennas on 2.4Ghz 802.11n (MCS7 HT40, 16dBm)
 - 2 x 2 antennas on 5Ghz 802.11ac (MCS9 HT80, 18dBm)
 - LTE CAT4 (150 Mbps/50 Mbps)
 - Support two internal antennas EN7561DU/D+MT7613BEN+ MT7592N

Key features

- ▶ LTE cat 4 module optimized for IoT applications
- ▶ Support 2.4 Ghz 802.11n
- ▶ Support 5 Ghz 802.11ac
- ▶ Support LTE CAT 4 (DL up to 150 Mbps)
- ▶ 1 x Gigabit WAN port
- ▶ 3 x Gigabit ethernet port
- ▶ 1 x 2FE SIM
- ▶ Zigbee 3.0

Order no.: LATAM
C4DM-ADAE-C0S0CCLEH-HCv1
Ordre no.: EUROPA
C4DM-ADAE-C0S0CCLEH-HEv1

Hybrid Router 4G

Wi-Fi LTE router with VoLTE and smart home hub

Management

- Web/HTTP: 3 level log-in via SSH or Telnet
- Firmware upgrade via web/TFTP/ FTP/TR-069 RPC method and OTA
- Text based configuration
- Configuration backup/update/ restore default via Web
- TR-69 and TR-181
- SNMP v1, v2

Voice

- Voice over LTE (VoLTE)
- T38 Fax Relay
- Jitter Buffer
- Section Initiating Protocol (SIP)
- Codec: G.711 A-Law, G.711 U-Law
- G.722, G729
- G.168 echo cancellation
- Fax/modem detection and pass-through
- Voice Active Detector (VAD)
- Comfort Noise Generator (CNG)
- Dynamic jitter buffer
- DTMF detection and generation
- DTMF relay by in-band and out-of- band (RFC 2833, SIP Info)
- Digital gain configuration
- On hook, off hook and flash detection
- Caller ID
- Call forwarding (No condition, busy, no answer)
- Call transferring
- Call hold/Call retrieve
- Three way conference

Interface Description

- WAN: 1 x 10/100/1000 RJ45
- Ethernet: 3 x 10/100/1000 RJ45
- 1 x Zigbee

LTE

- 1x 2FFE SIM
- 1 x FXS (VoLTE)

Buttons and slots

- One Power on/off button
- One reset button
- One WPS on/off button
- One SIM Card Slot
- Function button (smart home)

Status LEDs Indicators

- Power
- Smart home
- LAN
- WLAN-2.4Ghz/5Ghz/WPS
- Phone
- Signal strength

Power Supply

- 12 V DC/ 1.5 A

Environmental Specifications

- Temperature:
- Operating: 0°C to 40°C, Storage: -30°C to 70°C
- Humidity:
- Operating humidity: 10 to 90% RH (Non-condensing)
 - Storage humidity: 10 to 95% RH (Non-condensing)

Physical Specifications

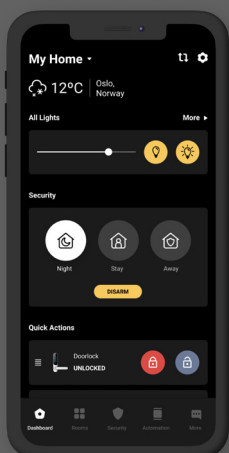
- At the top: W200mm x H139mm x D30mm
- At the bottom: W200mm x H139mm x D60mm

Certification

- Safety: EMC: CE
- Wi-Fi Alliance

Package Content

- Power adapter
- Ethernet cable
- Quick start guide



Heimgard Smart Home app

One app. To easily and securely control your smart home devices. It's compatible with more than 2000 smart products and services from various brands. Completely flexible. Completely secure.

