

Smart Router

AX3000 Wi-Fi6, GPON gateway



Heimgard Smart Router provides the end-user with next generation Wi-Fi technology on 2.4Ghz and 5Ghz band, (Wi-Fi6). The smart router is also a smart home gateway. The Smart Router is powered by HeimgardOS, the most advanced operating system for mesh and gateways, based on openWRT - totally flexible and secure.

Wireless Standard

- 802.11ax 5 GHz, data rate, 2400 Mbps
- 802.11ax 2.4 GHz, data rate, 600 Mbps
- EasyMesh R2

Router / Bridge Features

- IEEE 802.1D transparent bridge & basic spanning tree
- PPPoE (RFC 2516)
- PPPoA (RFC 2364)
- MAC encapsulation routing/IPoE
- Network Address Translation (NAT)
- NAT virtual server (port forwarding)
- DHCP client/server/relay with DHCP option 43/60/61/125
- DNS proxy/dynamic DNS
- Static/Policy route
- IGMP v1, v2, v3
- IPv4/IPv6

Wireless

- Wireless Protected Setup (WPS)
- WPA2/WPA2/WPA3 with TKIP & AES
- Multi SSID: up to 4
- MU-MIMO support
- 2x2 Internal antennas on 2.4Ghz and
- 2x2 Internal antennas on 5 Ghz

VLAN/QoS

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

Firewall & Security

- Generic packet filter
- DoS attack prevention
- Parental control

Voice

- Session Initiating Protocol (SIP)
- G.168 echo cancellation

Key features

- ▶ 4 x 10/100/1000 RJ45 LAN/WAN
- ▶ 1 x 2.5 PON
- ▶ 2 x FXS VoIP
- ▶ 2 x 2 antennas on 2.4 Ghz 802.11ax
- ▶ 2 x 2 antennas on 5 Ghz 802.11ax
- ▶ 256 Mb NAND and 256 Mb RAM
- ▶ 1 x USB 2.0
- ▶ Zigbee 3.0

Order no.: R1DM-AHAJ-C0D0CACWF-HCv1

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Management

- Web/HTTPS: Multi level log-in via SSH
- Firmware upgrade via web/TFTP/FTP/TR-069/Cloud
- Text based configuration
- Configuration backup/update/ restore default via Web
- Support TR069 and USP
- TR-111 and TR-181
- SNMP v1, v2, v3

HeimgardOS Features

- Continuously updated
- End-to-end encryption (between app, CPE, and cloud)
- OpenWRT based
- Surf-from-home (personal VPN)
- Managable thru application

Surf from Home

- VPN connection between your mobile device and your home
- Use your services while traveling as you would be at home.
- Does not rely on 3rd party services

Package Content

- Power adapter
- Ethernet cable
- Quick start guide

Heimgard application, cont.

- DTMF detection and generation
- DTMF relay by in-band and out-of-band (RFC 2833, SIP Info)
- SIP account (URL type included)
- 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
- Call waiting

Button

- One Power on/off button
- One reset button
- One WLAN/WPS on/off button

Power Supply

- 12 V DC/ 2.5 A

Status LEDs Indicators

- Power
- WAN
- Internet
- LAN
- Voice
- WLAN
- WPS
- Smart home

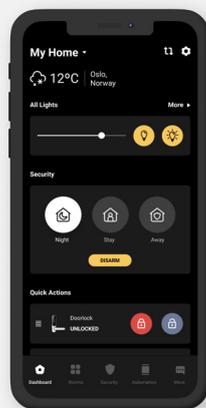
Certification

- Safety: EMC: CE
- Wi-Fi Alliance



Heimgard Connect app

Set up and manage your home network with an easy-to-use app. Wi-Fi setup, client information, multiple locations support, plug-and-play pairing, parental control, Surf from Home



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

