

Smart Mesh

AX1800, Wi-Fi6, mesh node



Heimgard Smart Mesh provides the end-user with next generation Wi-Fi technology on 2.4Ghz and 5Ghz band, (Wi-Fi6). One single node is a router and a smart home gateway. Three units create a high quality Mesh system with a WiFi coverage of 750m2. The Smart Mesh 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, 1200 Mbps
- 802.11ax 2.4 GHz, 600 Mbps
- EasyMesh R2

Router/Bridge Features

- 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
- SPI Firewall

Key features

- ▶ 1 x 10/100/1000 RJ45 WAN ports
- ▶ 1 x 10/100/1000 RJ45 LAN ports
- ▶ 2 x 2 antennas on 2.4Ghz 802.11ax
- ▶ 2 x 2 antennas on 5Ghz 802.11ax
- ▶ 256 Mb NAND and 256 RAM
- ▶ 11 x 11 x 11cm housing
- ▶ Zigbee 3.0

Order no.: M1DM-AHAJ-G0A0ACKW0-HOV1

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Management

- Web/HTTPS: Multi level log-in via SSH
- Firmware upgrade via web/TFTP/FTP/TR-069/Cloud OTA
- Text based configuration
- Configuration backup/update/ restore default via Web
- Support TR069 and USP and MQTT
- 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)

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
- Safety warning card

Button

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

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

- Dimensions : 11 x 11 x 11 cm

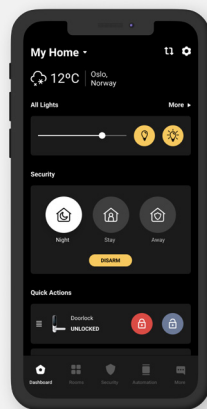
Certification

- 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



zigbee

+ Various value added services