Wi-Fi 6 **Elite**

2.5 Gig. WAN Router (HX40), AX3600, EasyMesh, VoIP

Heimgard HX40 Wi-Fi 6 Elite router provides the end-user with next generation Wi-Fi technology on 2.4Ghz and 5Ghz band. Designed for high speeds with optimized ventilation and antenna performance. EasyMesh allows you to add additional nodes to optimize your Wi-Fi coverage throughout your home. The HX40 is powered by HeimgardOS, the most advanced operating system for mesh and gateways, based on openWRT - Completely flexible - Completely secure

Wireless Standard

- 802.11ax 5 GHz, data rate, 2400 mbps
- 802.11ax 2.4 GHz, data rate, 1200 mpbs
- EasyMesh

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
- Security type
- MU-MIMO support
- 4x4 Internal antennas on 2.4Ghz and 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

Voice

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

Key Features

- ▶ Wireless standards:
  IEEE 802.11b/g/n/ax 2.4 GHz
  IEEE 802.11a/n/ac/ax 5 GHz
- ▶ Signal rate:
  2.4 GHz: Up to 1200 Mbps
  5 GHz: Up to 2400 Mbps
- ▶ 1 x 10/100/1000/2500 ETH WAN
- ▶ 4 x 10/100/1000 RJ45 LAN/WAN
- ▶ 1 x FXS VoIP
- ▶ 1 x USB 2.0
- ▶ 4 x 4 antennas on 2.4Ghz 802.11ax
- ▶ 4 x 4 antennas on 5Ghz 802.11ax
- ▶ 256Mb NAND and 512Mb RAM
- ▶ Zigbee 3.0 (for IoT VAS)
- ▶ Premium fabric-covered front

Order no.: 125401

Wi-Fi 6 **Elite**

2.5 Gig. WAN Router (HX40), AX3600, EasyMesh, VoIP

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 thrue APP

Enable value added services

- The platform is prepared for enabling various value added services such as malware protection, VPN, advanced parental control and IOT 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
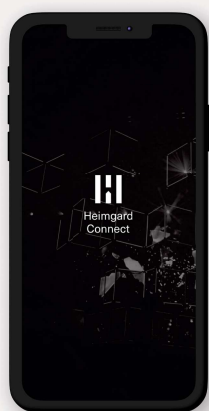- One WLAN/WPS on/off button

Power Supply

- 12 V DC/ 2.5 A

Status LEDs Indicators

- Power
- LAN
- WPS
- WAN
- Voice
- Smart Home/ Container Status
- Internet
- WLAN

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

+ Various value added services