



## Genexis Home CX30

### Home Series

Gigabit WAN Router, AX3000, EasyMesh



Genexis Home CX30 Wi-Fi 6 Home router provides the end-user with next generation Wi-Fi technology on 2.4Ghz and 5Ghz band. Three units create a high quality mesh system with a Wi-Fi coverage of 750m<sup>2</sup>.

The CX30 router is powered by IOWRT, the most advanced operating system for mesh and gateways, based on openWRT.

#### 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 600 Mbps
  - 5 GHz: Up to 2400 Mbps
- 1 x 10/100/1000 RJ45 WAN/LAN Port
- 2 x 10/100/1000 RJ45 LAN Ports
- 2 x 2 antennas on 2.4Ghz 802.11ax
- 3 x 3 : 2 antennas on 5Ghz 802.11ax
- 256Mb NAND and 512 RAM
- 11x11x11cm housing
- USB-C power connection
- Prepared for LTE & battery docking

#### WLAN interface

- 2x2 MU-MIMO 802.11b/g/n/ax 2.4 GHz
- 3x3 MU-MIMO 802.11a/n/ac/ax 5 GHz

#### Wireless features

- 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
- 3x3 Internal antennas on 5 Ghz



# Product features and specifications

## Genexis Home CX30

### 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

### VLAN/QoS

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

### Firewall & Security

- Generic packet filter
- DoS attack prevention
- Parental control
- SPI Firewall

### IOWRT Features

- Continuously updated
- End-to-end encryption (between app, CPE, and cloud)
- OpenWRT based
- Enable value added services

### 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

### Enable value added services

The platform is prepared for enabling various valueadded services such as malware protection, VPN, and advanced parental control.

### 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

## Genexis Home CX30 product models

Model	Type	Uplink WAN (Mbps)	LAN (Mbps)		WLAN 2x2 2.4 GHz	WLAN 3x3 5.0 GHz
Home CX30	Wi-Fi MESH Extender / Wired Repeater	10/100/1000	2x	10/100/1000	11ax	11ax

Note: Not every listed feature may be included in the shipping product. We reserve the right to make changes of technical specifications, housing or design without prior notice.