



Genexis Home CX750

Home Series

Outstanding Managed Wi-Fi 7 MESH



The Home CX750 will not only provide outstanding in-home Wi-Fi performance for the subscriber, but also decrease operational cost, increase ARPU and increase customer satisfaction for the operator.

This versatile device adapts to various in-home scenarios, functioning as both a wireless repeater and a wired extender. Supporting the latest Wi-Fi 7 standards, 1x 2.5GE WAN and 2.5GE LAN, the

Home CX750 enhances Wi-Fi coverage and delivers outstanding connectivity throughout the home.

The Home CX750 easily integrates with existing network infrastructure via EasyTouch pairing which simplifies deployment and reduces installation time. It adapts the load balancing thanks to the full support of Wi-Fi EasyMesh and is managed efficiently and remotely by TR-069 or TR-369.

Key features

- Compact and modern design for flexible placement
- 802.11be (Wi-Fi 7)
- BE3600: 1.200Mbps (2.4GHz) + 2.400Mbps (5GHz)
- Wi-Fi EasyMesh™
- 2.4GHz (2x2) and 5GHz (3x3) radio design
- High network speed with 2.5GE WAN + 2.5GE LAN
- Easy setup/installation
- EasyTouch Pairing with selected Genexis devices
- 2 in 1 functionality (Wi-Fi MESH repeater or wired extender)
- Genexis CloudSight compatible

Sustainability features

- Power consumption compliant to EU-CoC-BBE
- Housing made of 90% recycled plastics

Always the best Wi-Fi experience with Wi-Fi EasyMesh™

When two (or more) Home CX750 devices are integrated in the same network, automatically an EasyMesh network is created between the installed Home CX750 devices.

Thanks to this EasyMesh network, end-users are able to fully experience the best Wi-Fi connectivity throughout the whole home. Its mobile steering capabilities keep the load balance of the network in mind to steer the mobile devices to the correct access point.

Meaning that when the end-user freely walks through the home, it automatically connects to the most optimal access point at all time.

Resulting in the best possible Wi-Fi experience for the end-user.



Product features and specifications

Genesis Home CX750

General specifications

Dimensions (H x W x D)	110x110x110 mm
Weight approx.	310 g
Power supply voltage	12 Vdc ± 5% 1,5A
Operating temperature	0 - 40 °C
Storage temperature	-25 - 70 °C
Relative humidity	10% - 95%

Power consumption (EU-CoC-BBE)

Home CX750	4.9 W - Ready Mode (EEE)
(extender mode)	5.1 W - On Mode (EEE)

WAN interface

1x 10/100/1000/2500 Base-T Ethernet RJ45

LAN interface

1x 10/100/1000/2500 Base-T Ethernet RJ45

WLAN interface

2x2 MU-MIMO 802.11be 2.4 GHz WiFi

3x3 MU-MIMO 802.11be 5 GHz WiFi

USB interface

1x USB 2.0 port

User interfaces

Power connector

Power switch

Reset button

WPS button

RGB status LED

End-user web based GUI

Wireless features

4096-QAM
 Multi-RU puncturing
 Coordinated OFDMA (C-OFDMA)
 Multi-Link Operation (MLO)
 Wi-Fi MultiMedia (WMM)
 Wi-Fi Protected Setup (WPS)
 Wi-Fi Security (WPA2 and WPA3)
 Wi-Fi EasyMesh™ R6
 DFS and Radar Detection
 Multiple SSID and hidden SSID
 Guest network SSID

Ethernet features

IPv4 and IPv6 dual IP stack
 VLAN (un)tagging, Q-in-Q, QoS
 PPPoE, L2TP, IGMPv3

Gateway features

NAT/PAT, DHCP, DNS
 NTP, RTSP
 Stateful Packet Inspection Firewall (SPIF)
 DMZ, uPnP, Port forwarding

USB features

NTFS and FAT32 file system storage devices

Management and control

TR-069, TR-369
 TR-181 data models
 Command Line Interface (CLI)
 WebGui
 Genesis EasyWiFi app
 Genesis CloudSight
 Fail-safe firmware upgrade

Regulatory compliance

Radio Equipment Directive 2014/53/EU
 EU-CoC-BBE power consumption
 Energy Related Products Directive 2009/125/EC
 CE Safety Directive 2014/35/EU
 UKCA Safety Regulations 2016
 RoHS and REACH Directive 2011/65/EU
 ITU-T K.21 standard compliancy

Package content

Home CX750
 Power supply unit
 Ethernet cable
 Quick installation guide

Genesis Home CX750 product models

Model	Type	Uplink WAN (Mbps)	LAN (Mbps)		WLAN 2x2 2.4 GHz	WLAN 3x3 5.0 GHz	USB
Home CX750	Wi-Fi MESH Extender / Wired Repeater	10/100/1000/2500	1x	10/100/1000/2500	11be	11be	1x

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.