Genexis Aura E650

WiFi 6-Series

Increasing the connected home speeds

In the era of faster connectivity, your customers home deserve the best. Our Aura Series is the answer for this, offering speeds of 2.5 Gbps and beyond. No more buffering, no more lag.

But it's not just about speed. A router should match your lifestyle: sleek design, sustainable, and effortless usability by both end-user as operator. The Aura Series embodies these ideals.

Powerful, elegant, and accessible, it's the ultimate connectivity solution.

The Aura Series features Wi-Fi 6, Wi-Fi EasyMesh™, a 2.5GE WAN port and 2.5GE LAN port, it ensures that all connected network devices in the end-users home can run at their designated speeds without any limitations.

Key features
- 802.11ax (Wi-Fi 6)
- Wi-Fi EasyMesh™
- AX3600: 1.200 Mbps (2.4 GHz) + 2.400 Mbps (5 GHz)
- High network speeds with 2.5GE WAN and 2.5GE LAN port
- Easy setup/installation
- EasyTouch Pairing with selected Genexis extenders
- Analogue telephony support
- Desktop model and wall mount compatible
- Genexis CloudSight compatible

Sustainability features
- Housing made of 90% recycled plastics
- Designed for refurbishment
- Power consumption compliant to EU-CoC-BBE

The start for the best WiFi experience with Wi-Fi EasyMesh™

The Aura is the perfect residential gateway to start, steer and create an EasyMesh network between different extenders.

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

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 WiFi experience for the end-user.

Product features and specifications

Genexis Aura E600 Series

General specifications

Dimensions (H x W x D)	217x170x55 mm
Weight	618 g
Power supply voltage	2.5 A
Operating temperature	0 - 40 °C
Storage temperature	-25 - 55 °C
Relative humidity	10% - 95%

Power consumption (EU-CoC-BBE)

Aura E650	8.2 W Idle Mode
	9.5 W On Mode

WAN interface

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

LAN interface

1x 10/100/1000/2500 Base-T Ethernet RJ45
3x 10/100/1000 Base-T Ethernet RJ45

WLAN interface

4x4 MU-MIMO 802.11ax 2.4 GHz WiFi
4x4 MU-MIMO 802.11ax 5 GHz WiFi

Voice interface

1x FXS RJ11 port

USB interface

1x USB 2.0 port

User interfaces

Power connector
Power switch
Reset button
Mode button
RGB status LED
End-user web based GUI

Wireless features

Wi-Fi MultiMedia (WMM)
Wi-Fi Protected Setup (WPS)
Wi-Fi Security (WPA2 and WPA3)
Wi-Fi EasyMesh™ R3
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

Voice features

SIP based Voice-over-IP
G.711 / G.722 / G.723 codec
G.726 / G.729 codec
DTMF: In-band, RFC2833, SIP-info
3 REN support
Class 5 features

USB features

NTFS and FAT32 file system storage devices

Management and control

TR-069, TR369
TR-181, TR-104 data models
Command Line Interface (CLI)
Web based GUI
Genexis EasyWiFi App
Genexis 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

Aura E650
Wall mount
Power supply unit
Ethernet cable
Quick installation guide

Genexis Aura Series product models

Model	Uplink WAN (Mbps)	LAN (Mbps)		WLAN 4x4 2.4 GHz	WLAN 4x4 5.0 GHz	FXS	USB
Aura E650	10/100/1000/2500	1x 3x	10/100/1000/2500 10/100/1000	11ax	11ax	1x	1x

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