

## Genexis Platinum

### Platinum-Series

Desktop residential gateway



The Platinum desktop residential gateway is a standalone triple-play router. It blends design, high-end technology and user-friendliness into one product. The Platinum offers powerful residential gateway functionality including Gigabit speed routing and concurrent dual band WLAN for optimal internet experience,

technology for IPTV and Video on Demand and telephony. The gateway can be used in a standalone scenario or in a 'two-box' scenario in which it is connected to any fiber optic PtP or GPON network termination unit.

#### Key features

- High-speed router with 4 managed Gigabit Ethernet ports
- WLAN Access Point (2.4GHz 11b/g/n & 5.0GHz 11a/n/ac, concurrent dual band)
- Combined or single optical port
- Two telephony ports (SIP-based VoIP)
- Flexible management via TR-069, CLI, DHCP/TFTP, SNMP or/and GAPS (Genexis Automatic Provisioning System)
- Operator controlled, end-user friendly HTTP(S) GUI
- IPv4 and IPv6 supported concurrently, including IPv4 and IPv6 transition support (optional)
- Support Jumbo frames (up to 9K - optional)
- Support for Q-in-Q

#### Best-in-class residential gateway

The Platinum Residential Gateway offers flexible triple play service delivery and best-in-class routing capabilities. It combines ultra high-speed performance with sophisticated Residential Gateway features. At the same time, installation is simple and the user-friendly interface enables straightforward configuration.

#### Placement flexibility

With the mounting holes on the backside of the Platinum, you are free to place this gateway wherever you want. Place the device horizontally on a table or office desk or mount it neatly on a wall in your hallway or living room, the choice is yours.



# Product features and specifications

## Genexis Platinum-Series

### General specifications

Dimensions (HxWxD)	34x206x204 mm
Weight approx.	440 gr
Power supply voltage	12 Vdc ± 10%
Power consumption	typ. 8 W
Operating temperature	0 - 40 °C
Storage temperature	0 - 70 °C

### WAN interface

Combo port (1000/100/10Base-T RJ-45 +SFP receptacle)

### SFP interface

Supports MSA-compliant SFPs (INF-8074i)  
Supports DDM (SFF-8472 Rev 9.4+)  
Operates at 1000Base-X or 100Base-FX dependent upon SFP capabilities

### Protocols

IPv4/IPv6 dual stack concurrent  
DHCP(v4/v6) client  
PPPoE client  
Pv6 6rd  
DS-Lite

### LAN interface(s)

Up to 4x 1000/100/10Base-T RJ45 interfaces

### Buttons and USB

Reset button (recessed)  
WPS/Pair button  
1x USB 2.0

### Routing

Line-speed (1000 Mbps) routing performance for packets > 256 byte.  
DHCP server / DNS proxy  
NAT / PAT  
UPnP  
VPN pass-through  
SPI Firewall  
DMZ and port forwarding/translation  
Mixed bridged/routed port(s) for IPTV  
IGMP (v2/v3) snooping and proxy  
RTSP proxy for Video on Demand (VoD)

### Wireless interface

IEEE 802.11b/g/n (2.4GHz) 2T2R  
IEEE 802.11a/n/ac (5.0 GHz) 2T2R/3T3R  
Automatic channel selection  
Internal antennas  
WEP, WPA, WPA2  
WPS button for WLAN network setup  
Multiple SSIDs supported

### Voice features

SIP based Voice-over-IP  
G.711 A-law / μ-law codec  
G.729 codec  
5 REN support  
Line Echo Cancellation  
DTMF: In-band, RFC2833, SIP-Info  
Class 5 features

### Management and control

TR-069, TR-098/TR-181, TR-104  
Genexis Automatic Provisioning System (GAPS)  
SNMP  
DHCP / TFTP  
CLI  
Fail-safe firmware upgrade  
Management via web interface  
Reset button for factory default settings

### Status LEDs

Power  
Fiber uplink status/activity  
Connectivity status  
Telephony status  
WiFi status



## Genexis Platinum-Series models

Model	Uplink type	LAN ports (Mbps)		VoIP ports	USB 2.0	WLAN 2x2 2.4 GHz	WLAN 3x3 5.0 GHz
Platinum-7840	SFP + RJ-45	4x	1000/100/10	2x	1x	11n	11ac

\*Note: All product specifications and data on this document are subject to change without notice. Please contact sales@genexis.eu for more information.

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.