



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)
- Combo port, optional with 1000BX SFP included
- 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,
- 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
IEEE 802.1q & 802.1ad support

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
Dual band dual concurrent Guest WLAN

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-181, TR-104
Genexis Automatic Provisioning System (GAPS)
SNMP
DHCP / TFTP
CLI
Fail-safe firmware upgrade
Controlled end-user
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.