



Platinum

Desktop residential gateway

The Platinum desktop residential gateway is a standalone triple-play router from the Genexis portfolio. It blends design, high-end technology and user-friendliness into one product. It is available with a copper or fiber interface and can be easily connected to all Genexis or third party Point-to-Point and

GPON network termination products such as the FiberTwist.

The Platinum offers powerful Residential Gateway functionality including Gigabit routing, telephony, dual concurrent WLAN and USB.

Features

- » Powerful triple-play residential gateway
- » High-speed router with 4 managed Gigabit Ethernet ports
- » Two telephony lines (SIP-based VoIP)
- » Wireless LAN (IEEE 802.11b/g/n/ac)
- » USB 2.0 port
- » Optional MSA-compliant SFP interface
- » IPv4 and IPv6 supported concurrently
- » Flexible management including TR-069, CLI, SNMP and GAPS (Genexis Automatic Provisioning System)

Best-in-class residential gateway

The Platinum Residential Gateway offers 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.

Choose your type of uplink

The Platinum enables a broad spectrum of end-user installation scenarios by supporting various uplink types. The Platinum is available with copper (RJ-45) or fixed fiber (SFP) uplink, but also includes an option for a combo port (RJ-45 & SFP).

Product features & specifications

Platinum

General specifications

- » Dimensions (H x W x D) 34x206x204mm
- » Weight 280 g
- » Power supply voltage 12 Vdc ± 10%
- » Power consumption typ. 8W
- » Operating conditions 0 - 40 °C
- » Storage condition 0 - 70 °C

WAN interface

Choice of:

- » 1000/100/10Base-T RJ-45 port
- » SFF (fixed fiber) interface
- » Combo port (RJ-45 + SFP interface)

- » VLAN per service triple play
- » DHCP client
- » PPPoE client
- » IPv4/IPv6 dual stack
- » IPv6 6rd
- » DS-Lite

SFF interface

- » Compliant with 1000BASE-BX10-U
- » Compliant with 100BASE-BX10-U
- » Single mode fiber (ITU-T G.652)
- » SC/PC connector
- » 10 km range

SFP interface

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

CATV

- » Frequency range 47-875MHz
- » RF output F connector 75Ω
- » Output return loss 14dB
- » RF output level (AGC) 86 ± 2 dBμV
- » Flatness ± 1dB
- » Optical input power measurement
- » RF output power measurement
- » Optical input connector SC/APC

LAN interfaces

- » 4 1000/100/10Base-T LAN ports (RJ-45)
- » LED indicators for link and activity

Routing

- » Line-speed (1000 Mbps) routing performance for packets > 256 byte.
- » DHCP server
- » NAT / PAT
- » UPnP
- » VPN pass-through
- » SPI Firewall
- » DMZ
- » Mixed bridged/routed port(s) for IPTV
- » IGMPv2, IGMPv3 snooping and proxy

Voice ports

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

IEEE 802.11n / ac wireless interface

- » IEEE 802.11b/g/n (2.4 and 5.0 GHz) 2T2R
- » IEEE 802.11ac (5.0 GHz)
- » Automatic channel selection
- » Internal antennae
- » WEP, WPA, WPA2
- » WPS button for simple WLAN network setup
- » Multiple SSIDs supported

Buttons & USB:

- » Reset button (recessed)
- » WPS button
- » 1 USB 2.0

Management and control

- » TR-069, TR-098, TR-104
- » Genexis Automatic Provisioning System (GAPS)
- » SNMP
- » DHCP / TFTP
- » CLI
- » Fail-safe firmware upgrade
- » End user management via web interface
- » Factory default reset button

Status LEDs

- ⏻ Power
- ⏪ Fiber uplink status
- Ⓜ Connection status
- ☎ Telephony status
- 📶 WLAN status
- CATV status

Platinum product models

Model	Uplink type	LAN		VoIP	WLAN 2x2		WLAN 3x3	CATV
		Ports	Speed (Mbps)	POTS ports	2.4 GHz	5.0 GHz	5.0 GHz	
Platinum-4410	RJ-45	4x	1000/100/10	2x	11n	-	-	-
Platinum-4420	SFF	4x	1000/100/10	2x	11n	-	-	-
Platinum-4440	SFP + RJ-45	4x	1000/100/10	2x	11n	-	-	-
Platinum-4480	SFF	4x	1000/100/10	2x	11n	-	-	yes
Platinum-4810	RJ-45	4x	1000/100/10	2x	11n	11n	-	-
Platinum-6810	RJ-45	4x	1000/100/10	2x	11n	11ac	-	-
Platinum-6820	SFF	4x	1000/100/10	2x	11n	11ac	-	-
Platinum-6840	SFP + RJ-45	4x	1000/100/10	2x	11n	11ac	-	-
Platinum-6880	SFF	4x	1000/100/10	2x	11n	11ac	-	yes
Platinum-7840 *	SFP + RJ-45	4x	1000/100/10	2x	11n	-	11ac	-

* Specifications may differ from those listed. Please contact sales@genexis.eu for further information.