

Tilgin HG1200 Family

VDSL2 Home Gateways

Designed for Next Generation Access networks, Tilgin's HG1200 Family, the VDSL2 multi-access Home Gateways, deliver the wire speed routing and advanced functionality needed for new services and applications at home



Tilgin AB

Box 1240
SE-164 28 Kista, Sweden
Tel +46 8 572 386 00

E-mail info@tilgin.com
www.tilgin.com

Tilgin's HG1210 is designed as an intelligent service node, enabling you to deliver additional real time applications into the home. Tilgin powerful HG1210 Home Gateway series helps you to deliver new revenue generating services from day one, all while maintaining a low operating cost. The HG1210 is ready to deliver new functionality for years to come.

Tilgin's VDSL2 products, the HG1210 series, supports the full range of VDSL profiles, 30, 17, 12 and 8, enabling you, as an operator, to address any access network with various loop lengths with one single product. HG1200 is built for deep fiber networks and carries basic ADSL2+ features.

Tilgin's new mid-size casing is designed for complete customer branding and labelling to give you, as an operator, the look and feel you desire to present and have constantly visible to your customers. This means that the Home Gateway carries your operator brand to the end user who always associates the broadband services to a brand, the operators.

Tilgin's goal is to make the Home Gateway a part of the home decor, so we have worked with a well recognized industrial designer to achieve the best looking design for end users. The modularity of our design makes your customization easy to achieve.

Tilgin's HG1210 platform is powered by a dedicated CPU for VoIP which achieves the highest possible voice quality available on the market today and supports Tilgin's fully matured PSTN replacement strategy along with the possibility to easily migrate to a standard IMS.

Tilgin Home Gateway Application Software

Tilgin's HGA Software is the engine that delivers all Service Enablers and Remote Management functionality independent of the access technology and hardware configuration used. All HGA Software Drivers form a modular building system for you, as an operator, to combine in order to maximize your service offerings and revenue potential.

HGA Full Service Routing

Tilgin's HGA Full Service Routing Driver expands your IPTV service capabilities and provide additional operational savings through Any-Port-Any-Service function. Full Service Routing will reduce or eliminate start-up support calls when new or additional STB's are to be deployed within the Home.

TR-069 Remote Management

Beginning with zero-touch auto configuration, you can conveniently define and manage all services and network settings from your support center. Managing devices from a central location keep you in control, reduces your costs, and eliminates the provisioning hassles that can impede your business. Tilgin's long term involvement with the Broadband Forum provides you with the necessary resources to help your business operate using TR-069 based ACS and CPE solutions.

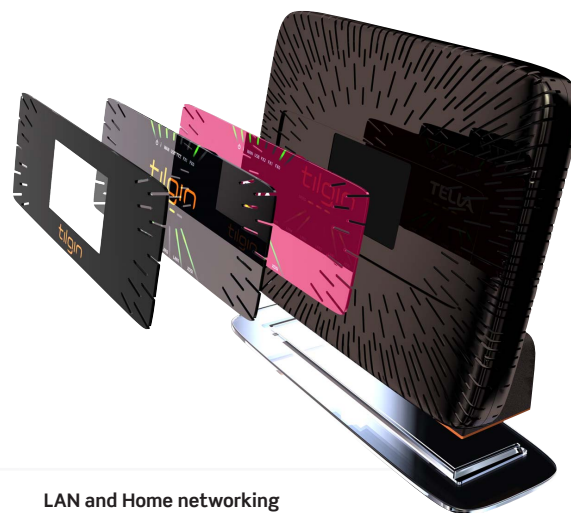
Fail Safe Provisioning

Tilgin's provisioning solution protects the device boot-up and software download session in case of a power interruption during the download session. This feature assures that the Home Gateway will be able to reconnect to the ACS once connectivity is restored. A Tilgin Home Gateway powered by Tilgin's HGA Software assures you that the device will not become a "brick".

Tilgin HG1210 Home Gateways

Tilgin Application Software is common to all Tilgin hardware delivery platforms.

Application Software can be easily upgraded from standard to premium features by normal auto-provisioning.



HG1210 Model Configurations

Model	WAN		VoIP			LAN and Home networking					
	VDSL2	ADSL, 2, 2+	PSTN ports	ISDN ports	Fallback	Eth ports	USB ports	Routing	Switching	WLAN	
										SSIDs	WPS
HG1211	Yes	Annex A	2 FXS	-	FXO*	4	2.0 Host	Wire speed	Wire speed	4	Yes
HG1213i	Yes	Annex B	2 FXS	NT BRI	FXO*	4	2.0 Host	Wire speed	Wire speed	4	Yes

* FXO optional models

WAN interfaces	WLAN interfaces	Regular Compliances
<p>VDSL2 / ADSL2+ WAN</p> <ul style="list-style-type: none"> Connector: RJ-11 <p>• WAN switch selecting WAN (DSL or using LANport)</p>	<ul style="list-style-type: none"> IEEE 802.11e/WMM, QoS for voice and video over WLAN WEP, WPA, WPA2 Two WPS Solutions, Wireless Protected Setup, with PIN and Push Button 	<ul style="list-style-type: none"> CE mark CSA International WEEE RoHS
LAN interfaces	<ul style="list-style-type: none"> IEEE 802.11n, Draft 2.0, 2.4GHz, 300Mbps, duplex MIMO antenna Solution Internal antennas Automatic channel bandwidth selection 	Physical Specs
<ul style="list-style-type: none"> 10/100 Base-Tx Autoneg, Auto MDI/MDI-X Connector: RJ-45 		<ul style="list-style-type: none"> Dimension 200x160x36 Weight: 0.55 Kg Operating temperature: 0-40C/ 32-104F Non-operating temperature: -20-60C/ -4-140F Operating humidity, RH, non-condensing: 10-90% Non-operating humidity, RH, non-condensing: 5-95% In: 100-240VAC, Out: 12VDC
Voice interfaces		
<p>Dedicated CPU for VoIP making Voice Application independent of any data load.</p> <p>Analogue ports, FXS:</p> <ul style="list-style-type: none"> Ring voltage: min 45vrms Connector: RJ-11 REN, Ring Equivalency Number per FXS: 5 <p>Digital ports, ISDN BRI:</p> <ul style="list-style-type: none"> 1 ISDN NT connectors for phone and fax Connector: RJ-45 ISDN phantom power: 40 V nominal, max 4.5W REN, Ring Equivalency Number per port: 5 		

Full matrix of Tilgin hardware and HGA Software compliance.

	HGA540	HGA550	HGA560	HGA570	HGA Storage	HGA Remote Access
Vood 300	Y	Y	-	-	-	-
HG321	Y	Y	Y	Y	-	Y
HG1100	Y	Y	Y	Y	-	Y
HG1210	Y	Y	Y	Y	Y	Y
HG1310	Y	Y	Y	Y	Y	Y
HG1350	Y	Y	Y	Y	Y	Y
HG1520	Y	Y	Y	Y	Y	Y
HG1550	Y	Y	Y	Y	Y	Y