

Tilgin HG300 Family

Ethernet ATA Home Gateways



Designed for Next Generation Access Networks,
Tilgin HG300 Family ATA Home Gateways
delivers the optimized Home Gateway and PSTN Replacement Solution

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Tilgin's HG300 is designed as an intelligent service node, enabling you to deliver the best voice quality available on the market today. The HG300 platform is, as all of Tilgin's available hardware platforms, powered by a dedicated CPU for VoIP which achieves the highest possible voice quality. Together with Tilgin's HGA Voice Application Software, the HG300 delivers a mature PSTN replacement Solution with the possibility to easily migrate to a standard IMS Solutions.

Green Design

With the HG300 Family, Tilgin now delivers environmentally friendly Home Gateways optimizing size and weight for shipping as well as adjusting casing and production with environmental friendly material and processes.

Gateway Capacity

Tilgin's powerful HGA Software operates seamlessly with the HG300 platform providing one single software platform over the whole Home Gateway portfolio. The capacity of HG320 handles IPTV Solutions and full Home Networking at Home.

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. HGA Software helps you to deliver new revenue generating services from day one, all while maintaining a low operating cost. The HG300 platform will continue to deliver new functionality for years to come as well as reducing operational costs and taking full advantage of our Home Gateway and Remote Management Solution.

Tilgin Home Gateway Application Software

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 HG300 ATA 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.



HG300 Model Configurations

Model	WAN	VoIP	LAN and Home networking		
	Copper Ethernet	PSTN ports	Ethernet ports	Routing	Bridge
HG321	10/100 Base Tx	1 FXS	1x 10/100 Base Tx	Wire speed	Wire speed

WAN interfaces	Voice interfaces	Regular Compliances
Copper Ethernet WAN <ul style="list-style-type: none"> • 10/100 Base-Tx • Autoneg, Auto MDI/MDI-X • Connector: RJ-45 	<ul style="list-style-type: none"> • Dedicated CPU for VoIP making Voice Application independent of any data load. Analogue ports, FXS <ul style="list-style-type: none"> • Ring voltage: min 45vrms • Connector: RJ-11 • REN, Ring Equivalency Number per FXS: 5 	<ul style="list-style-type: none"> • CE mark • FCC Part 15 • CSA International • WEEE • RoHS
LAN interfaces		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 30x170x113 • Weight: 0,24 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% • Power in: 100, 240VAC, Out: 12VDC/1A

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