

DRG700 DRG7000

Rock solid all-in-one gateway



The DRG700 / 7000 is an easy-to-install high-performance home gateway for Fiber-to-the-Home (FTTH) networks. Packed with features to support triple-play services, including high-definition TV services, the DRG700 / 7000 is the ultimate home

gateway for fiber networks. With four Gigabit LAN ports and a USB port for an external hard-drive, the DRG700 / 7000 is designed for residential customers, small offices and medium size businesses.

Features

- » Four Gigabit LAN ports and one USB 2.0 port
- » Support for 100BASE-FX and 1000BASE-X connections
- » Easy installation on the DRG Fiber Termination Unit
- » Managed via GAPS, TR-069, CLI, DHCP/TFTP or SNMP
- » Wirespeed firewall and NAT
- » IPv6 ready, including IPv4 to IPv6 transition support
- » WLAN (11n and 11ac)
- » VoIP
- » Remotely managed CATV (optional)

Up to a full gigabit

The DRG700 / 7000 WAN is multi-rate and supports 100Mbit/s and 1Gbit/s speeds on the fiber link. The network operator can deploy the Gigabit DRG700 / 7000 today and be ready for next generation access. As the network is upgraded, there is no need to revisit the customer and change the equipment. The DRG will automatically detect the speed that is used.

VoIP and WLAN

The DRG700 / 7000 is available in multiple variants which support POTS telephony with a built-in SIP Voice-over-IP client. Models with an 802.11b/g/n/ac access point support up to 750Mbit/s TCP throughput wireless communication, which gives customers access to the network anywhere in the home without having to build a wired network.

Product features & specifications

DRG700 / 7000

General specifications

- » Dimensions 170x202x48mm
- » Weight 350 g
- » Power supply 12 Vdc ± 10%
- » Power consumption typ. 8 W
- » Operating Temperature 0 - 40 °C
- » Storage temperature 0 - 70 °C

USB & Buttons

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

WAN interface

- » Single mode fiber (ITU-T G.652)
- » SC/PC connector
- » Full duplex transmission
- » Compliant with 1000BASE-BX10-U
- » Compliant with 100BASE-BX10-U
- » VLAN per service triple play
- » DHCP client
- » PPPoE client
- » IPv4/IPv6 dual stack
- » IPv6 6rd
- » DS-Lite (DRG700)

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






CATV

- » Frequency range 47-875MHz
- » RF output F connector 75 Ω
- » Output return loss 14dB
- » RF output level (AGC) 80 ± 2 dB μ V
- » Flatness ± 1dB
- » Optical input power measurement
- » RF output power measurement
- » Various filter options

Management and control

- » TR-069, TR-104
- » TR-098 (DRG700)
- » TR-181 (DRG7000)
- » Genexis Automatic Provisioning System (GAPS)
- » SNMP (DRG700)
- » DHCP / TFTP
- » CLI
- » Fail-safe firmware upgrade
- » End user management via web interface
- » Reset button for factory default settings

Status LEDs

-  Power
-  Telephony status
-  Connection status
-  WLAN status
-  CATV status

DRG 700 product models

Model	LAN		VoIP	WLAN 2x2		WLAN 3x3	USB	CATV
	Ports	Speed (Mbps)	POTS ports	2.4 GHz	5.0 GHz	5.0 GHz	2.0	
DRG711v2	4x	1000/100/10	-	-	-	-	1x	-
DRG712v2	4x	1000/100/10	-	-	-	-	1x	yes
DRG716v2	4x	1000/100/10	2x	11n	-	-	1x	yes
DRG719v2	4x	1000/100/10	2x	11n	-	-	1x	-
DRG736v2	4x	1000/100/10	2x	11n	11ac	-	1x	yes
DRG737v2	4x	1000/100/10	2x	11n	11ac	-	1x	yes (Denmark specific)
DRG739v2	4x	1000/100/10	2x	11n	11ac	-	1x	-

DRG 7000 product models *

Model	LAN		VoIP	WLAN 2x2		WLAN 3x3	USB	CATV
	Ports	Speed (Mbps)	POTS ports	2.4 GHz	5.0 GHz	5.0 GHz	2.0	
DRG7820	4x	1000/100/10	2x	11n	-	11ac	1x	-
DRG7860	4x	1000/100/10	2x	11n	-	11ac	1x	yes
DRG7870	4x	1000/100/10	2x	11n	-	11ac	1x	yes (Denmark specific)

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

For models without WLAN / VoIP, please contact sales@genexis.eu