



DRG 600 series DRG 600 - WiFi

DRG 600 - WiFi is a module within the DRG 600 series providing routed ports for wireless access to broadband services.

The DRG

DRG 600 (Digital Residential Gateway) is 42Networks world-leading modular Customer Premises Equipment (CPE) for delivery of multi-play services in FTTx networks.

It is based on a “sandwich” principle that builds upon the Base module for passive fiber/TP cable termination. Active modules are then easily snapped on for control and delivery of services.

The modular concept of DRG 600 allows network owners and service providers to effectively deploy broadband networks and offer services with limited initial investments. At the same time the versatility of DRG 600 enables greater earning potential with options for lifting end users to higher-value service packages over time.

High quality, high performance

The WiFi module has 2 routed LAN ports, 802.11b/g support, NAT functionality and firewall. It provides you with all that is needed to set up a secure home network in the end-user premises. The internal antenna provides great coverage, which can be further extended using the optional external antenna.

Secure set up

DRG 600 - WiFi supports WiFi Protected Setup (WPS), which enables easy and secure establishment of the wireless home network. The wireless network is automatically configured and the only action required by the end user is to configure the wireless client.

Remotely upgradable

The required software and configuration can be automatically provisioned from the management system upon installation of the WiFi module. This is initiated from any management systems using SNMP or DHCP options.

Easy to get started

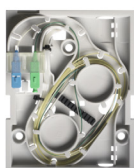
The WiFi module is installed simply by attaching it to the Access module using the built-in magnets, allowing end users to easily install it themselves. **No technician is needed**, and the whole process of distribution and connection is accomplished smoothly and cost-efficiently.

Modern design

The entire design concept behind the DRG 600 solution is focused on smart and innovative functionality in mechanics and ease-of-use. For the WiFi module this has resulted in clear and instructive LEDs, an embossed area for service-provider branding and the easy installation mechanism.

No cables between different modules are needed. The WiFi module is, as the other Service Extension Modules, (Telephony and Switch), connected to the Access module with built-in connectors.

All cabling and connectors are hidden and managed in a dedicated Organizer module, making cable tangle a non-issue. Also, the WiFi module does not require a separate Power Supply Unit (PSU), further reducing the amount of cables and unwanted accessories in the household. Only one PSU is needed for the complete DRG 600.



The DRG 600 series consists of separate modules that are easily snapped together. The figure illustrates an example of the assembly process, starting with the Base module for fiber termination, followed by the Access module, Switch (snapped into the Access module), Organizer, WiFi and the Telephony module.

Product Specification for DRG 600 - WiFi

Interfaces

Model	Port	Speed (Mbps)	Specification
DRG600-WiFi	WAN	100	Connect to DRG600-Access
	LAN	10/100	2 x Copper, UTP, Cat5, RJ-45
	Wireless	54	IEEE 802.11b/g

LED indicators

LED 7 Power/Status	Bi-color red/green
LED 8 Wireless	Green
LAN Link Status	Green

Wireless security

WEP, WPA, WPA-PSK and WPA2-PSK authentication
Block SSIP broadcast
Wireless station Access Control

Wireless

Access point supported
IEEE 802.11b/g compliance
Wireless Channels Support
SSID assignment
WiFi compatible
WPS support (PIN code/PBC)

Management

Web management
Web management password protected
HTTP upgrade
SNMP

Throughput

WAN to WLAN	Typically 20Mbps
WAN to LAN	Typically 80Mbps

Physical

Dimensions	
WiFi module	53 mm (D) x 166 mm (H) x 34 mm (W)
Complete DRG 600 configuration, all modules included	55 mm(D) x 231 mm (H) x 203 mm (W)
Weight	
WiFi module	128 g
Complete DRG 600 configuration, all modules included	1.1 kg
LAN connectors	2 x RJ-45
External antenna connector	MCX
Power supply	12Vdc, supplied by DRG 600 - Access module. No extra PSU required
Operating temperature	0°C to +40°C
Operating humidity	5-95% RH non-condensing

Regulatory Compliance

CE marked
ETL marked
IEC/EN/UL 60950, IEC/EN/UL 60825
CB certified
FCC Part 15 Subpart B
FCC Part 15 Subpart C
EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3
EN 50360, EN 50385, EN 300328, EN 301489-1, EN 301489-17
RoHS directive 2002/95/EC
WEEE directive 2002/96/EC

Subject to change without notice