



DRG 600 series DRG 600 - Base

DRG 600 - Base is the module within the DRG 600 series securing the passive broadband connection, i.e. fiber or Twisted Pair (TP) cable in the end user's premises.

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.

Protection of fiber and connectors

DRG 600 - Base protects fiber or TP cable, and connectors in the household after installation. It has a durable and robust design for maximum protection. All entry points include the ability to secure fiber or cable with a dual plastic strap. This firmly fixes the connection in place, and eliminates the risk that the fiber is not completely secured or in the worst case broken. Furthermore, a cover protects the fiber and a special dust cap protects connectors from dust.

Flexible deployment at the end-user premises

DRG 600 - Base offers installation options needed to successfully deploy broadband networks in different types of home/office environments. The broadband fiber or TP cable can enter the connection area of the unit from any

direction, including directly from the wall. Furthermore, DRG 600 can be turned 180 degrees allowing upside down mounting close to the ceiling or down near the floor. The built-in wall spacers facilitate installation to uneven surfaces.

Cost efficient installation of fiber/TP cables

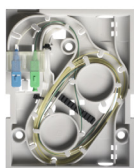
The installation of DRG 600 - Base is intuitive, fast and robust. All mounting is made with a limited number of durable, purpose-built snap-on mechanics. There is no need for premeasurement of fiber for pigtails longer than 45cm. An adhesive splice holder provides flexibility for placement of the unit wherever needed. The design also ensures a minimum fiber bending radius of 20mm regardless of the fiber entry point.

Easy snap-on of Access module

DRG 600 - Access, the home gateway component, is easily snapped on to the Base module through rails. No patch cables are needed, which reduces the risk of broken or tangled cables.

Increase the service take rate

An embossed area on the Base module allows network owners/operators to promote the activation of broadband access. The rate of broadband service penetration will increase if the process of ordering is made as easy as possible for end users. A logo and a label with e.g. "how-to-order" information on the Base cover can be added to increase end users' awareness of the network operator and guide them to take the next step in ordering more services and modules.



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 - Base

Mounting conditions

Wall mounting indoors
Flexible mounting, 180 degrees (upside down), for example close to the ceiling
Mounted by three screws
Built in 5mm spacers from surfaces to adjust for uneven walls. Additional spacers can be added

Fiber encapsulation

Terminate fiber from all directions with robust yet flexible dual plastic strap

- below or top, can terminate shielded fiber of 14mm diameter
- from each side, can terminate shielded fiber of 11 mm diameter (additional spacers from wall required)
- from behind, guiding slope can terminate blow fiber of 5 mm diameter

Fiber lengths, up to 3.5 m
Self sticking splice holder
Snap on mechanics for connector
Snap on lid to protect completed installation
Pigtail longer than 45 cm will allow winding and placing connector without pre measurement

Physical

Dimensions

Base module	53 mm (D) x 163 mm (H) x 131 mm (W)
Complete DRG 600 configuration, all modules included	55 mm (D) x 231 mm (H) x 203 mm (W)
Branding area	50.8 mm (H) x 76.2 mm (W)

Weight

Base module	<210 g
Complete DRG 600 configuration, all modules included	1.1 kg

Connectors supported

RJ-45
SC
Two SC for installation of two fibers where one is used for CATV and the other for data

Subject to change without notice