



## InterOS-NG

INDEPENDENT INTEROP

### Genexis FiberTwist

#### G2110C (GPON)

Compact network demarcation



Providing Gigabit fiber connectivity to any desired location in the home is one of today's major challenges.

With the endless variety of different deployment scenarios and end-user requirements, this calls for a flexible and scalable in-home connectivity solution.

#### Key features

- Compact, fully managed GPON network demarcation
- A flexible solution matching both single-dwelling and multi-dwelling deployment scenarios
- Patented FiberTwist twist-on interface on FTU or Bracket, enabling 100% fool-proof, DIY, end-user installation
- With a 1 gigabit LAN port to connect external devices, such as a Residential Gateway
- Interoperable with the major OLT brands in triple-play configurations
- All FiberTwist active units consist of 90% PCR

With the FiberTwist product range, Genexis introduces a unique broadband connectivity solution that redefines size, ease of installation and flexibility for the distribution of fiber bandwidth throughout the entire home.

#### A perfect fit for every deployment scenario

The FiberTwist product family has been developed in such a way that it can be integrated into various deployment models, including single-dwelling and multi-dwelling scenarios.

Using products from the FiberTwist FTU family, the demarcation point can be extended to any desired location in the home, enabling easy access and installation of services.

Its small size (4.33 x 4.33 x 1.81 in) makes the FiberTwist a perfect fit in any environment, be it a living room, metering cabinet or basement.



# Product features and specifications

## Genesis FiberTwist G2110C (GPON)

### General specifications

Dimensions (H x W x D)	4.33x4.33x1.81 in
Weight (G2110C)	4.64 oz
Power supply voltage	12 Vdc ± 5%
Operating temperature	0 - 40 °C
Storage temperature	0 - 70 °C

### Power consumption (EU-CoC-BBE)

G2110C	2.3 W Idle Mode
	2.3 W On Mode

### WAN interface

1x GPON interface

- Compliant with ITU-T G.984.1/2/3/5
- Compliant with ITU-T G.988

SC/APC connector

Class B+ optics

- TX (upstream) power +0.5 ... +5 dBm
- RX (downstream) power -8 ... -28 dBm
- TX wavelength 1310 nm
- RX wavelength 1490 nm

TRx allows co-existence with, CATV, XGS-PON, XG-PON and NG-PON2

Interoperable with the major OLT brands in triple-play configurations

128 GEM ports (GPON Encapsulation Method)

32 T-CONT (Transmission Containers)

### LAN interface(s)

Compliant with IEEE 802.3 (1000/100/10BASE-T)  
LED indicators for link and activity

### User interfaces

- 1 x Unlock button
- 1 x LED dimming button
- 1 x Power connector

### Emissions and safety regulations

CE, UKCA, FCC and ISED approved

Safety:

- IEC EN 60950 or IEC EN 62368-1

Laser safety:

- IEC EN 60825-1: Class 1 laser

Emissions & Immunity:

- EN 55032/CISPR 32:2008, Class B
- EN 55024

RoHS/WEEE marking:

- Compliant with 2011/65/EU

Surge protection

- Compliant with ITU-T K.21 basic level

### Interoperable OLTs

Genesis has been an independent PON ONT vendor since 2013. All Genesis ONTs are interoperable and have been field deployed with major OLT brands active in the European and North American markets. Genesis will provide its full support to enable a successful interop. Please ask your sales representative for more information.

### Status LEDs

Power 

Fiber uplink status 

