



Genexis FiberTwist F2000-Series (Optical Data) 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.

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 through the home.

Key features

- Compact, passive network demarcation
- A flexible solution matching both single-dwelling and multi-dwelling deployment scenarios
- Patented FiberTwist click-on interface on FTU or Bracket, enabling 100% fool-proof, DIY, end-user installation
- Optional integrated CATV receiver
- One optical data port to connect external devices such as a Residential Gateway and various Layer 2 services on the LAN side
- Status LED on/off switching
- Wall junction box compatible

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 (110 x 110 x 46 mm) makes the FiberTwist a perfect fit in any environment, be it a living room, metering cabinet or basement.



Product features and specifications

Genexis FiberTwist F2000-Series (Optical Data)

General specifications

Dimensions (H x W x D):

- FiberTwist F2020, F2125 110x110x46 mm
- FiberTwist F2110-2, F2115-2 110x110x41 mm

Weight:

- FiberTwist F2020 168 g
- FiberTwist F2110-2 88 g
- FiberTwist F2115-2 84 g
- FiberTwist F2125 168 g

Operating temperature 0 - 40 °C

Storage temperature -5 - 70 °C

Wavelengths:

Input 1260-1660 nm

Optical data port:

- F2020 not applicable
- F2110-2, F2115-2 1260-1660 nm
- F2125 1260-1510 nm
1575-1660 nm

WAN interface

SC/APC connector

Single mode fiber (ITU-T G.652 / G.657)

Power consumption (EU-CoC-BBE)

| Model | Idle Mode | On Mode |
|--------------------|-----------|---------|
| FiberTwist F2110-2 | N/A | N/A |
| FiberTwist F2115-2 | N/A | N/A |
| FiberTwist F2020 | 1.2 W | 1.2 W |
| FiberTwist F2125 | 1.3 W | 1.3 W |

Optical data port

SC/APC connector (F2110-2)

LC/APC connector (F2115-2, F2125)

CATV *

CATV F2020 1260-1660 nm

CATV F2125 1540-1560 nm

Power supply voltage 12 Vdc ± 5%

Power consumption 1.2 W typ

Optical input range -10 ... 0 dBm

RF output F-connector 75 Ω

F-connector length 9 mm

Output return loss 12 dB

RF output level (AGC) 81 ± 1 dBμV

RF Frequency range 45 - 1000 MHz

CNR min 44 dB@-8 dBm

CSO / CTB max -55 dBc

User interfaces

1 x Unlock button

1 x LED switching button *

1 x Power connector *

1 x CATV output coaxial F-female *

Emissions and safety regulations

CE approved, FCC on request

Safety:

- IEC EN 62368-1

Emissions & Immunity:

- EN 55032

- EN 55035

- EN 50083-2

RoHS/WEEE marking

Status LEDs*

Power

CATV status



* Applicable to selected models only



FiberTwist F2020



FiberTwist F2110-2



FiberTwist F2115-2



FiberTwist F2125

Genexis FiberTwist F2000-Series (Optical Data) product models

| Model | Type | Fiber Interface | CATV |
|--------------------|------------------------|-----------------------|------|
| FiberTwist F2020 | RF-overlay only | - | Yes |
| FiberTwist F2110-2 | Data Port | SC/APC (green) | - |
| FiberTwist F2115-2 | Data Port | Single LC/APC (green) | - |
| FiberTwist F2125 | Data Port + RF-overlay | Single LC/APC (green) | Yes |

Note: Not every listed feature may be included in the shipping product. We reserve the right to make changes of technical specifications, housing or design without prior notice.