



XGX-2410B

XGX-B Series

High-speed network demarcation



TrueTalk
PON AUTOSENSING

Where GPON and Point-to-Point (PtP) are starting to hit bandwidth limitations, XGS-PON provides a solution. The Genexis XGX-2410B is a reliable and high performance XGS-PON ONT with a 10G SFP+ WAN. The internal components are of the latest generation, supporting line rate performance up to layer 2.

The XGX-2410B is equipped with Genexis' award-winning TrueTalk™ solution for PON interoperability. TrueTalk ensures seamless interop with any OLT via a single firmware version. This enables operators to choose the OLT brand that best aligns with the needs for their fiber network.

Key features

- Reliable and high-speed XGS-PON network demarcation
- TrueTalk™ PON autosensing
- 10GE LAN, and up to 3x GE LAN ports to connect external devices, such as a Residential Gateway
- SFP+ WAN port
- Compatible with existing XG FiberTray

Sustainability features

- Power consumption compliant to EU-CoC-BBE
- Housing made of 75% recycled plastics
- Halogen free PCB
- ITU-T K.21 basic level (Surge Protection)

Easy to install with XG FiberTray

The XGX-2410B can be deployed stand-alone or smoothly integrated with the FiberTray. Designed to manage excess fiber and simplify installation anywhere. Fully backward compatible, the FiberTray's robust build ensures a perfect fit for all XG products, making deployment effortless in any environment. Simply slide the XGX-2410B on the existing FiberTray, and the end user can enjoy higher speeds.

Equipped with TrueTalk™

At Genexis, we strongly believe you should have the freedom and flexibility to select the OLT vendor that best serves your needs. To make this possible, we have equipped the XGX-2410B with our industry awarded TrueTalk™ solution. By automatically detecting the OLT dialect, the ONT adapts, and seamless interop is ensured.



Product features and specifications

Genesis XGX-2410B

Environment

Dimensions (H x W x D)

· XGX-2410B 28x110x140 mm

Weight

· XGX-2410B 296 gr

Operating temperature 0 - 40 °C

Storage temperature -25 - +55 °C

Operating humidity 5% ~ 95%

(non-condensing)

Storage humidity 5% ~ 95%

(non-condensing)

User interfaces

10GE / 3 x GE LAN interfaces

1 x Power connector

1 x Power switch

1 x Reset button

1 x CATV Output coaxial F-female (via separate CATV module)*

1 x Mechinal lock for XG FiberTray

LAN interface(s)

10GE: Compliant with 100/1000/2.5G/5G/10G BASE-T

GE: Compliant with 10/100/1000 BASE-T

Power consumption (EU-CoC-BBE)

Model	Ready-state	On-state
XGX-2410B**	4.9 W	5.5 W

Input 12 VDC

802.3az Energy Efficient Ethernet (EEE)

XGS-PON WAN interface

1x 1GE/2.5GE/10GE SFP+ (no coding)

· 1000BASE-X/2500BASE-X/10GBASE-R auto-sensing

Interoperable with major OLT brands in triple-play configurations

Support up to 256 XGEM ports (XGS-PON Encapsulation Method)

32 T-CONT (Transmission Containers)

Support a maximum total of 16 VLANs

Dying gasp

SFP+ transceiver (included by default)

N1 optics

· TX wavelength 1260 ... 1280 nm

· RX wavelength 1575 ... 1580 nm

SC/APC (green) connector type

TRx allows co-existence with GPON, 25GS-PON and CATV

Optional additional features

TR-069 monitoring

TR-069 software upgrade

TR-143 speed test

Emissions and safety regulations

CE approved

Safety:

· IEC EN 62368-1

Emissions & Immunity:

· EN 55032, Class B

· EN 55035

RoHS/WEEE marking:

· Compliant with 2011/65/EU

Surge protection

· Compliant with ITU-T K.21 basic level

Status LEDs

Power PWR

Fiber uplink status WAN

LAN status LAN1/LAN2/LAN3/LAN4

*Not available yet

**Based on specific SFP+ module

Genesis XGX-2410B product models

Model	Type	10GE LAN	2.5GE LAN	GE LAN	CATV (80 ± 2.5 dBμV)*
XGX-2410B	Layer-2 XGS-PON ONT	1x	-	3x	Please contact your sales representative