ELTEX
Integrated Networking Solutions

– **1 XGS-PON port**
– **1 LAN Gigabit Ethernet**
– **10G SFU**[2]

NTX-1, NTX-1F are high-performance multifunctional sub-scriber terminals designed to access modern telephony services, IPTV, OTT and high-speed Internet. In addition, NTX series subscriber terminals make it possible to provide users with a wide range of services and opportunities for working in a local network.

XGS-PON technology

XGS-PON technology is one of the most advanced and efficient solutions to "last mile" problems, which allows significant savings on cable infrastructure and provides symmetrical data transfer rate of up to 10 Gbps in the downlink direction and 10 Gbps in the uplink direction. Using solutions based on XGS-PON technology in access networks makes it possible to provide the end user with an access to a set of services based on the IP protocol.

Provided services

• High-speed Internet access
• Video streaming/High Definition TV/IPTV, Video on Demand (VoD), video conference
• Online entertainment and educational programs

Application

• Providing broadband access services to subscribers in apartment buildings, residential complexes, student campuses and cottage villages
• Building corporate networks in large strategic enterprises and in business centers with high requirements to security and data transfer rates

NTX interfaces configuration

Name	PON	LAN
NTX-1	1 × XGS-PON	1 × 10/100/1000BASE-T (RJ-45), 1 × 100/1000/2.5G/5G/10GBASE-T (RJ-45)
NTX-1F	1 × XGS-PON	1 × 10/100/1000BASE-T (RJ-45), 1 × 10GBASE-T (SFP+, RJ-45) or 10GBASE-R (SFP+)

Features and capabilities

Interfaces
— PON:
  1 × XGS-PON
— LAN:
  1 × 10/100/1000BASE-T (RJ-45)
  1 × 100/1000/2.5G/5G/10GBASE-T (RJ-45)[1]
  1 × 10GBASE-T (SFP+, RJ-45) or 10GBASE-R (SFP+)[2]

Standards
— ITU-T G.9807.1 XGS-PON

Functional specifications
— Bridge operation mode
— IGMP Snooping support

Security features
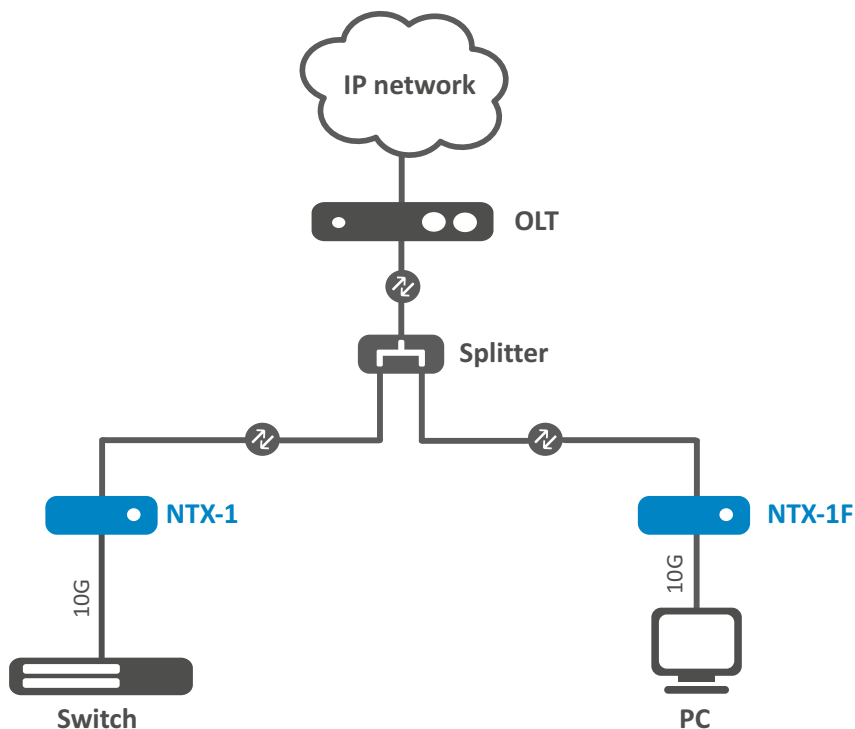— Rate limiting on ports
— FEC coding

Physical features
— Dimensions (W × H × D): 234 × 34 × 133 mm,
— Desktop implementation
— Power supply: 12 V, no more than 2 A
— Operating temperature: from +5 to +40 °C
— Relative humidity: up to 80 %

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[1] NTX-1 only.
[2] NTX-1F only.

Use case

Ordering information

Name	Description
NTX-1	NTX-1, 1 × XGS-PON, 1 × 10/100/1000BASE-T (RJ-45), 1 × 100/1000/2.5G/5G/10GBASE-T (RJ-45)
NTX-1F	NTX-1F, 1 × XGS-PON, 1 × 10/100/1000BASE-T (RJ-45), 1 × 10GBASE-T (SFP+, RJ-45) or 10GBASE-R (SFP+)

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About ELTEX

ELTEX Enterprise is a leading Russian developer and manufacturer of communication equipment with 30 years of history. Complete solutions and their seamless integrability into the Customer's infrastructure are the priority growth areas of the company.