

- 1 GPON port
- 1 LAN (10/100/1000Base-T) port
- Remote control using OMCI protocol



NTU-1

ONT NTU-1 – user terminals that intended to connect users to data network based on GPON technology.

Application

NTU-1 devices provide subscribers connection to broadband services NTU-1 in apartment buildings, residential complexes and cottage settlements. One LAN port allows to connect PC, media center or user router to build a local network.

Specifications:

GPON interface parameters

- 1 GPON port
- Compliance with ITUT-T G.984.2, ITU-T G.984.5 Filter, FSAN Class B+, SFF-8472
- Connector type - SC/APC
- Transmission medium - SMF- 9/125, G.652 fiber optics
- Maximum range – 20 km
- Transmitter: 1310nm DFB Upstream Burst Mode
 - Data Rate: 1244Mbps
 - Average Launch Power +0,5..+5 dBm
 - Spectral Line Width @ -20 dB 1 nm
- Receiver: 1490nm APD/TIA Downstream CW Mode Digital Receiver
 - Data Rate: 2488Mbps
 - Receiver Sensitivity -28 dBm With BER better than or equal to 1.0×10^{-10}
 - Receiver Optical Overload -4 dBm

LAN interfaces parameters

- 1 Ethernet 10/100/1000 Base-T port (RJ-45)

Safety functions support

- Speed restriction at ports
- FEC coding

Standard compliance

- ITU-T G.984.x - GPON
- ITU-T G.988 OMCI specification
- IEEE 802.1D,
- IEEE 802.1Q
- IEEE 802.1P

Functional characteristics

- QoS support
- VLAN in compliance with IEEE 802.1Q
- An opportunity of remote power supply via Ethernet*
- * In case pf using GRT-120100A power supply


Configuring and monitoring

- Remote control using OMCI protocol
- Updating of the software: OMCI, HTTP

Physical and environmental specifications

- Dimensions - 112x100x32 mm
- Adapter voltage– 220V/12V
- Consumed power - 5 W maximum
- Operating temperature range: +5° to +40°C
- Relative humidity: up to 80%

Ordering information

Name	Description	Picture
NTU-1	ONT NTU-1, 1 PON port, 1 LAN 10/100/1000Base-T port	

About Eltex company

For more than twenty years Eltex company has been a leading Russian designer and manufacturer of telecommunications equipment. Complex solutions and possibility for their seamless integration into the Customer infrastructure - development is a priority direction of the company.

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