ELTEXALATAU
Комплексные решения для построения сетей

– 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 $1.0x10^{-10}$
  – 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 ^{0} to +40 ^{0}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	

Contact Us

+7 (727) 320 18 38
info@eltexalatau.kz
www.eltexalatau.kz

About EltexAlatau

EltexAlatau company is one of the first communication equipment manufacturers in Kazakhstan established in 2012. The main focus of the enterprise is a set of solutions and the opportunity of their seamless connection to the customer's infrastructure.