ELTEXALATAU
Integrated networking solutions

NTU-SFP-100

The device NTU-SFP-100 - high-performance mobile terminal, designed for communication with higher-level equipment of passive optical networks and broadband access services to the end user.
Connection with GPON networks is provided via PON interface. SFP or SFP + interfaces are for connecting customer's end equipment.

NTU-SFP-100 allows to receive and process untagged or once tagged traffic. The number of services are restricted by OLT opportunities.

NTU-SFP-100 can operate in bridge mode (bridge).

Scheme of use

Using this device may provide the following scheme of traffic transfer from the switch:

• transfer untagged traffic to the switch in a specific VLAN (802.1q) or VLAN stack (QinQ)

• transfer of tagged traffic from the switch to a predetermined VLAN transparent or using VLAN manipulation (802.1q tag replacement for another 802.1q tag or label stack)

• transfer of tagged traffic from the switch in the range of VLAN encapsulation in a specific 802.1q tag (selective tunneling) *

• the transfer of all traffic from the switch to the encapsulation of a specific label 802.1q (conventional tunneling) *

Interfaces

• 1 port PON SC/APC or PON SC/UPC for operator's network connection;

• Port Ethernet 1000Base-X SFP for connection to network equipment.

* Available in software version OLT 3.26.0

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The main technical parameters

Standards support	G.984.2 Class B+ G.984.5 FDA 21 CFR 1040.10 и 1040.11 IEC-60825 Class I SFF-8472
Maximum data transfer speed rate	970 Mbit/s
Max frame size	1992
Equipment compatibility	Switches and VoIP gateways: MESxxxx; TAU-72.IP, TAU-32M.IP
Optic parameters	Complies Class B+
Emit power	0,5 dBm
Receiver sensitivity	-30 dBm
Receiver overload threshold	-6,5 dBm
Management	OMCI
Size of MAC-address table	859
Supported services	up to 8
Number of registered IGMP-groups	128
Support of FEC	Yes
Support of Encoding	Yes
Support of DDMI-interface	Yes
Power consumption	up to 3 W
Operating temperature range	от -30° до +85°C
Relative humidity	from 5 up to 95% in the absence of condensate
Dimensions	74.7×12.4×14мм
Weight	0,04 kg

Contact Us

About EltexAlatau

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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.