



✧ VAID-811LT **GEAPON OLT Description:**

The VAID-811LT is a GEAPON OLT system that offers 1 Gepon SC ports and 1 10/100/1000Base-Tx Gigabit Ethernet Uplink + 1 Gigabit SFP uplinking ports. The VAID-811LT is a GEAPON OLT that offers 1 RS232 console port, 1 craft port to connect PC for local management; 1 GEAPON SC Port to connect GEAPON Fiber port; 1 gigabit ethernet port and 1 gigabit SFP port to connect central router or switch. The VAID-811LT is a telecom grade FTTH equipment that integrates the latest GEAPON technology based on IEEE802.3ah standard. The transmission speed of the VAID-811LT can reach up to 1.25G/s for upstream and downstream.

The whole GEAPON system consists of GEAPON OLT (Optical Line Terminal), ONU (Optical Network Unit), and fiber splitter. CHIMA Gepon OLT offers mostly 5 upstream Ethernet port and 16 downstream GEAPON port. GEAPON port can connect to PLC optical splitter, a single Gepon port can support up to 64 ONUs when the transmission distance is short.

Each VAID-811LT OLT can connect and manage up to 64 remote ONUs. With our Solution, telecom operators do not need to rent the equipment room and they don't even need to maintain the device, by which greatly saves cost for their last mile FTTH application.

✧ **Main Features:**

- 1) **Compatibility:** The VAID-811LT is a GEAPON OLT with 1U size, it is compatible with all our ONUs.
- 2) **Long Transmission Distance:** Transmission Distance reaches up to 20Km, no need to rent/build a server room, no need to maintain the device, greatly saves costs for telecom operators/ISPs.
- 3) **High reliability:** After a power cut, the VAID-811LT can recover quickly with its stored configuration.
- 4) **Flexible Network Topology:** Offers Gigabit SFP and 10/100/1000Base-Tx ethernet ports for upstream, supports Ring Topology, Tree Topology and Star topology.
- 5) **Full QOS Support:** Each PON supports up to 256 logic accesses, a single ONU offers multiple independent logic accesses, by which offers great QOS support for end users. Support AES-128 encryption, each logic access can be encrypted. With dynamic bandwidth assignment (DBA) and powerful bandwidth pool, the VAID-811LT greatly improves the usage rate of the bandwidth. Support SLA and IEEE802.1P Priority, the VAID-811LT efficiently control the network latency to a lowest level while end user set up high or low priority.
- 6) **Support Up to 4K 802.1Q VLAN and 8K MAC Address**
- 7) **Powerful OMA:** Support ONU auto-detection and auto-registration, support fiber line tests, support MAC binding and filtering, support IP address binding and filtering, support bandwidth control, support port based VLAN and IEEE802.1Q VLAN, support flow control, support port aggregation, port mirroring, and broadcast control.

✧ **Specification:**

Protocols	IEEE 802.3ah, IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z, IEEE 802.1d、IEEE 802.1P, IEEE 802.1Q, IEEE 802.1x, RFC1155, RFC1157, RFC1112, RFC1113	
Switching Capacity	16Gbps	
BandWith Adjustment Latency	1Kbps	
Ports	RS-232 Control Port	To Connect PC
	Craft Port	To Connect PC
	EPON SC Port	To connect 1xN PLC Optical Splitters
	RJ-45 100/1000M Ethernet	To Connect Aggregation Router or Switch
	1000Base-X Fiber Port	To Connect Aggregation Router or Switch
Management	SNMP Management	
Power Supply	AC input 100~240V	
Max Transmission Distance	20KM	
Max Transmission Speed	1.25G	
Power supply:	DC -48V (Wave Range: - 40V- 57V) or AC 100V-240V	
Power consumption:	15W	
Physics dimension	440mm X 207mm X 43mm, 19 Inch, 1U height	
Weight:	4.0Kgs	
Temperature		
Operating Temperature:	Storage temperature	Relative Humidity
0 ~ 45 °C	-30~60 °C	5%~95% no coagulation

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http://www.vaidsys.ru/10ge_sfp_x2_xenpak.php#q5

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http://www.vaidsys.ru/10GE_mediaconverter.php

2x GIGABIT

<http://www.vaidsys.ru/mediaconverters.php>

<http://www.vaidsys.ru/optical-circulator-vaidsys.php>

IP

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http://www.vaidsys.ru/ip-pbx_ip-ats.php