

AFVOLT-2

GEPON / ONU

2 Port GEPON OLT



AFVOLT-2 (Symbolfoto / symbol photo)

Dieser OLT ist der perfekte OLT für kleine Netze. Bis zu 128 Kunden (ONU) anbindbar und als Uplink 2x Kupfer und 2x SFP Gigabit Anbindungen.

This OLT is a perfect solution for small networks. You can connect up to 128 customers (ONU) and have 2x SFP and 2x copper uplink interfaces.

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Specifications

Chassis

Rack	1U 19 inch standard box
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Optical Interfaces GEPON

EPON Interfaces (GEPON)	2
Physical Interfaces	SFP Slots
Connector Type	1000BASE PX20+
Max. Splitting ratio	1:64
Max. Modem on ONU	128
Transmission Distance	up to 20km
Max. SPEED PON DS/US	1,25 Gbps / 1,25 Gbps
Wavelength	TX1490nm / RX1310nm
Connector	SC/PC (normal blue connector)
TX Power	+2 ~ +7 dBm
RX Sensitivity	-27 dBm
Saturation Optical Power	-6 dBm

Uplink Ports

Uplink Port SFP	2
Physical Interfaces	SFP Slots

Uplink Port Copper	2 (10/100/1000)
Physical Interfaces	Copper

Management Port

Ethernet	1*10/100BASE-T out-band port
Console	RJ45 Serial

Management Mode

Management Protocols	SNMP, Telnet, CLI and CN-ADMIN
Management Function	Fan Group Detecting; Port Status monitoring and configuration management; Layer2 switch configuration such as VLAN, Trunk, RSTP, IGMP, QOS, etc; EPON management function: DBA, ONU authorization, ACL, QOS, etc; Online ONU configuration and management; User management; Alarm management.

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Layer2 Switch

16K Mac address
 Support 4096 VLANs;
 Support port VLAN and protocol VLAN;
 Support VLAN tag/Un-tag ,VLAN transparent transmission;
 Support Vlan translation and QinQ;
 Support storm control based on port
 Support port isolation
 Support port rate limitation
 Support 802.1D and 802.1W;
 Support static LACP;
 QOS based on port,VID,TOS and MAC address;
 Access control list;
 IEEE802.x flow control;
 Port stability statistic and monitoring.
 Onu switch in the same pon

Multicast

IgmP snooping
 256 IP Multicast Groups;

DHCP

Dhcp Server
 Dhcp Relay
 Dhcp Snooping

Layer 3 Route

Arp proxy
 Static route
 1024 hardware Host Routes;
 512 hardware Subnet Routes;

EPON Function

Support port-based rate limitation and bandwidth control;
 In compliant with IEEE802.3ah standard;
 Up to 20KM transmission Distance;
 Support data encryption, multi-cast, port VLAN, separation,RSTP,etc;
 Support Dynamic Bandwidth Allocation (DBA);
 Support ONU auto-discovery/link detection/remote upgrade of software;
 Support VLAN division and user separation to avoid broadcast storm;
 Support various LLID configuration and single LLID configuration; Different user and different service could provide different QoS by means of different LLID channels;
 Support power-off alarm function,easy for link problem detection;
 Support broadcasting storm resistance function;
 Support port isolation between different ports;
 Support ACL and SNMP to configure data packet filter flexibly;
 Specialized design for system breakdown prevention to maintain stable system;
 Support dynamic distance calculation on EMS online;
 Support RSTP,IGMP Proxy.

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Dimension(L*W*H)	442mm*320mm*43.6mm
Weight	3,1kg
Power Supply	1x 220VAC
Power Consumption	25W

Operating Environment

Working Temperature	-10~+55°C
Storage Temperature	-40~+85°C
Relative Humidity	5~90%(non-conditioning)

Provisioning Solution

CN-ADMIN JM-DATA (www.jm-data.at)	FULL certified
VoIP AICALL (www.aicall.at)	FULL certified

JM-FIBRE© is a name of JM-DATA GmbH Group - www.jm-data.at – Phone: +43(0)50/305080-0
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