

V5628-2A2/2B2

EPON MDU Datasheet v2.0



- ✓ Standalone 1U Product
- ✓ The EPON MDU can use for FTTB/FTTC applications
- ✓ In compliant with IEEE802.3ah & CTC2.1/3.0
- ✓ WEB/CLI/SNMP Management
- ✓ Support SIP(IMS)/MGCP/H.248 Protocol

1. Introduction

The V5628-2A2/2B2 EPON+24FE/EPON+24FE+24POTS MDU is an EPON broadband access device with “Triple-Play” and fiber to building (FTTB) independently developed by V-Solution. It is based on mature and stable Gigabit EPON Technology and L3 Ethernet switching technology, with high reliability, good quality of service (QoS) guarantee, easy management and flexible networking features. It meets the requirements of ITU-T, IEEE & YD/T Technical requirements for access network.

2. Product Features

- Plug and play and Support auto-discovery, auto-configuration, auto-upgrade.
- Support OAM+SNMP management.
- Lightning Protection Capability LAN: 4 kV, POTS: 4 kV, AC Power: 6kV.
- Support 802.1ad(QinQ) and multicast.
- Support Line testing according to GR-909.
- Support AC or DC power supply.
- Support Dying-gasp.

3. Technical Specifications

Model	V5628-2A2	V5628-2B2
NNI	1*EPON(PX20+), SC/UPC	
UNI	24*FE	24*FE+24POTS
Dimension (W×H×D)	480mm×44.5mm×240mm	
Console	3*RJ45 (1 For EPON MAC, 1 For Configuration, 1 For VoIP)	
Power Input	AC: 100~240V or DC: -48V	
Power Dissipation	≤50W	
Operating Temperature	-30~+55°C	
Operating humidity	10~90%RH(non-condensing)	
Storage Temperature	-40~+65°C	
Weight	5Kg	
Mounting	19-inch rack, 1U Rack	
Layer2/3 Function	Up to 16 K MAC address; Support 4K VLANs and IEEE802.1Q/802.1p, based on MAC, IP Subnet and protocol. Support VLAN Double-Tag; Support IEEE802.1QinQ/802.1ad and VLAN transparent transmission; Support port stability statistic and monitoring; Support 1K multicast Route Table and support SCB; Support STP/RSTP; QoS: Support 8 levels CoS priority. Support SP, WRR, SP+WRR; Support IGMP Snooping; Support ACL based on IP, TCP/UDP and protocol;	

	Support Filter based on port,MAC,VLAN ID and IP(IPv4/IPv6).
EPON Function	<p>Support port-based rate limitation and bandwidth control;</p> <p>In compliant with IEEE802.3ah standard;</p> <p>Up to 20KM transmission Distance;</p> <p>Support Dynamic Bandwidth Allocation (DBA);</p> <p>Support ONU auto-discovery/link detection/remote upgrade of software;</p> <p>Support VLAN division and user separation to avoid broadcast storm;</p> <p>Support various LLID configuration and single LLID configuration;</p> <p>Different user and different service could provide different QoS by means of different LLID channels;</p> <p>Support power-off alarm function,easy for link problem detection;</p> <p>Support broadcasting storm resistance function;</p> <p>Support port isolation between different ports;</p> <p>Specialized design for system breakdown prevention to maintain stable system;</p> <p>Support dynamic distance calculation on EMS online;</p>
VoIP Function	<p>Support SIP(IMS),H.248&MGCP protocol and It can well communicate with the mainstream soft switch platforms in the industry;</p> <p>Support heartbeat function and supports active / standby soft switch platform;</p> <p>Support ITU-T G.711,G.723.1 and G.729 speech codec;</p> <p>Support Echo cancellation exceeding ITU-T G.165/G.168-2002, up to 128ms tail length;</p> <p>Support high/low speed fax/Modem, bypass fax, and T38 fax;</p> <p>Support InBand / RFC2833/SIP INFO, MD5 authentication, call forward, call waiting, hot-line call, and all kinds of value-added voice service. Multi-party conferencing</p> <p>Support Line testing according to GR-909</p> <p>Support Modem(56Kbps)</p> <p>Support PPPoE,DHCP and static IP;</p> <p>Support Web/CLI/SNMP</p>

4. V5628-2A2/2B2 Series Application

