

28 Port L3 Switch Datasheet v1.0



- ✓ Rich business functions: OSPF、 IPv6
- ✓ Power backup & BBU(optional)
- ✓ Easy to manage and friendly interface
- ✓ Logo DIY



Product overview

The V3500 series switches provide flexible full-Gigabit access and 10 Gigabit uplink ports, support multiple Layer 3 routing protocols, and have higher performance and richer service processing capabilities. Based on the high-performance L2/L3 wire-speed switching service, it further integrates various network services such as IPv6 and network security, and combines various high-reliability technologies such as uninterrupted upgrade, non-stop forwarding, and redundancy protection to ensure the network's long-term uninterrupted communication capabilities. Widely used in enterprise park access and aggregation, data center access and other application scenarios.

Product	User interface
V3500-28G	4GE(Combo)+24GE(RJ45)+4*10GE(SFP+)

Access the world



functional characteristics

Rich Business Functions

- ◆ Supports L3 of RIP、 OSPF、 IPv6 to meet the application requirements of voice, video, and data services

High Reliability & Safety

- ◆ Dual power backup
- ◆ Support Static/LACP link aggregation
- ◆ Support L2/L3/L4-based ACL flow identification and filtering security mechanism
- ◆ Support port isolation
- ◆ Supports SYN Flood of TCP attacks and UDP Flood attacks
- ◆ Support DHCP Snooping、 DHCP Option 82
- ◆ Support command line hierarchical protection

Smart Stacking

- ◆ Support stacking, improve device reliability, simplify configuration and management

Easy to Management and Maintenance

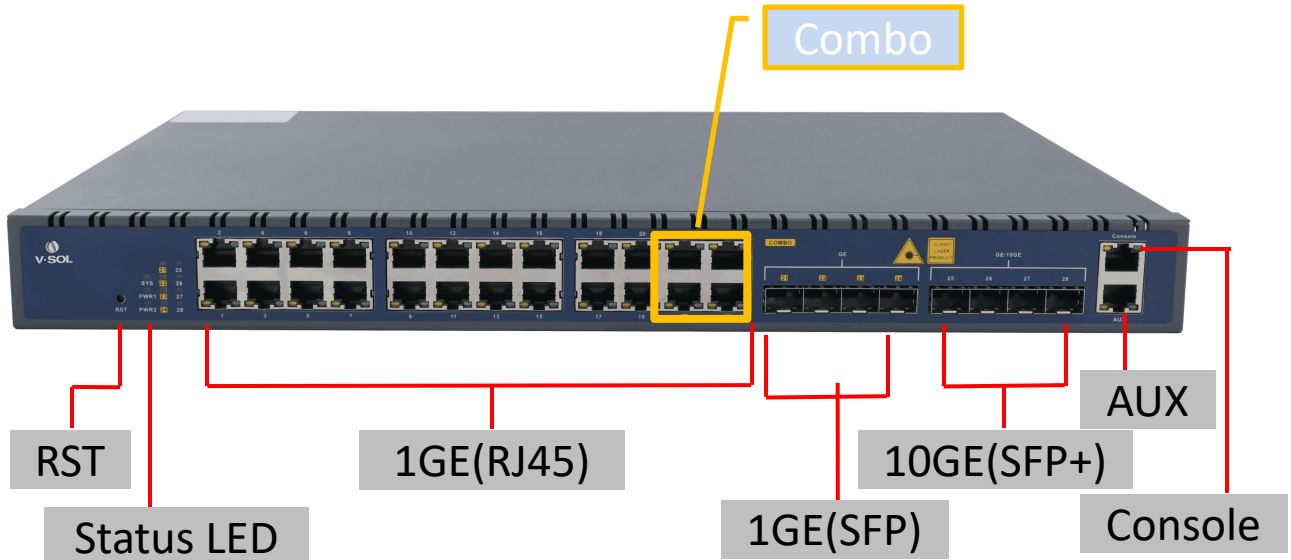
- ◆ Friendly EMS/Web/Telnet/CLI management
- ◆ CLI command style similar to mainstream manufacturers

Access the world



functional characteristics

Product appearance features



Access the world



technical indicator

Item		V3500-28G
Chassis	Rack	1U 19 inch standard box
1G User Port (LAN21-LAN24 is Combo)	QTY	24
	Physical Interface	RJ45
	Forward rate	1Gbps
1G Uplink Port	QTY	4
	Physical Interface	SFP Slot
	Forward rate	1Gbps
10G Uplink Port	QTY	4
	Physical Interface	SFP+ Slot
	Forward rate	10Gbps
	SFP+ Module type	10GBASE-SR/SW/LR/LW/ER/EW
Management Ports	1*10/100BASE-T out-band port, 1*CONSOLE port	
Dimension(L*W*H)	442*285*43.6mm	
Weight	4.2kg	
AC Power Supply	AC:100~240V, 47/63Hz	
DC Power Supply(DC:-48V)	√	
Double Power Module Hot Backup	√	
BBU(Backup Battery Unit)	√(Optional,Default-Not Support)	
Power Consumption	35W	
Operating Environment	Working Temperature	0~+50°C
	Storage Temperature	-40~+85°C
	Relative Humidity	5~90%(non-conditioning)

Access the world



technical indicator

V3500-28G: LED information

LED	ON	Blink	OFF
PWR (green)	The device is powered up	—	The device is powered down
SYS (green)	Device is starting	Device is running normal	Device is running abnormal
SFP/SFP+ (green)	The device is connected to the port	The device is ongoing data transmission	The device is not connected to the port
Ethernet (green-- ACT)	—	Port is sending or/and receiving data	—
Ethernet (yellow-- Link)	The device is connected to the port	—	The device is not connected to the port



Software function

Management Mode

- **SNMP、Telnet、CLI、WEB、SSH**
- **Support upload and download file by TFTP**

Management Function

- Fan Group Control
- Port Status monitoring and configuration management
- User management
- Alarm management
- Logo DIY

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



Software function

Multicast

- Support IGMP v1/v2
- Support IGMP Snooping
- Support IGMP Fast Leave
- Support multicast group quantitative limitation
- Support multicast Traffic cross-VLAN replication

IPv6

- Support IPv6 SNMP、 IPv6 Telnet、 IPv6 Https
- Support IPv6 neighbor discovery, stateless address auto configuration、 IPv6 access control list
- Support MLD v1/v2、 MLD Snooping

DHCP

- DHCP server、 DHCP relay、 DHCP snooping

Layer 3 Route

- ARP proxy
- Static route
- 1024 hardware Host Routes
- 512 hardware Subnet Routes
- RIPv1/v2、 OSPF



EMS

Key Features

- ✓ Support C/S & B/S architecture
- ✓ Support auto topology or modify manually

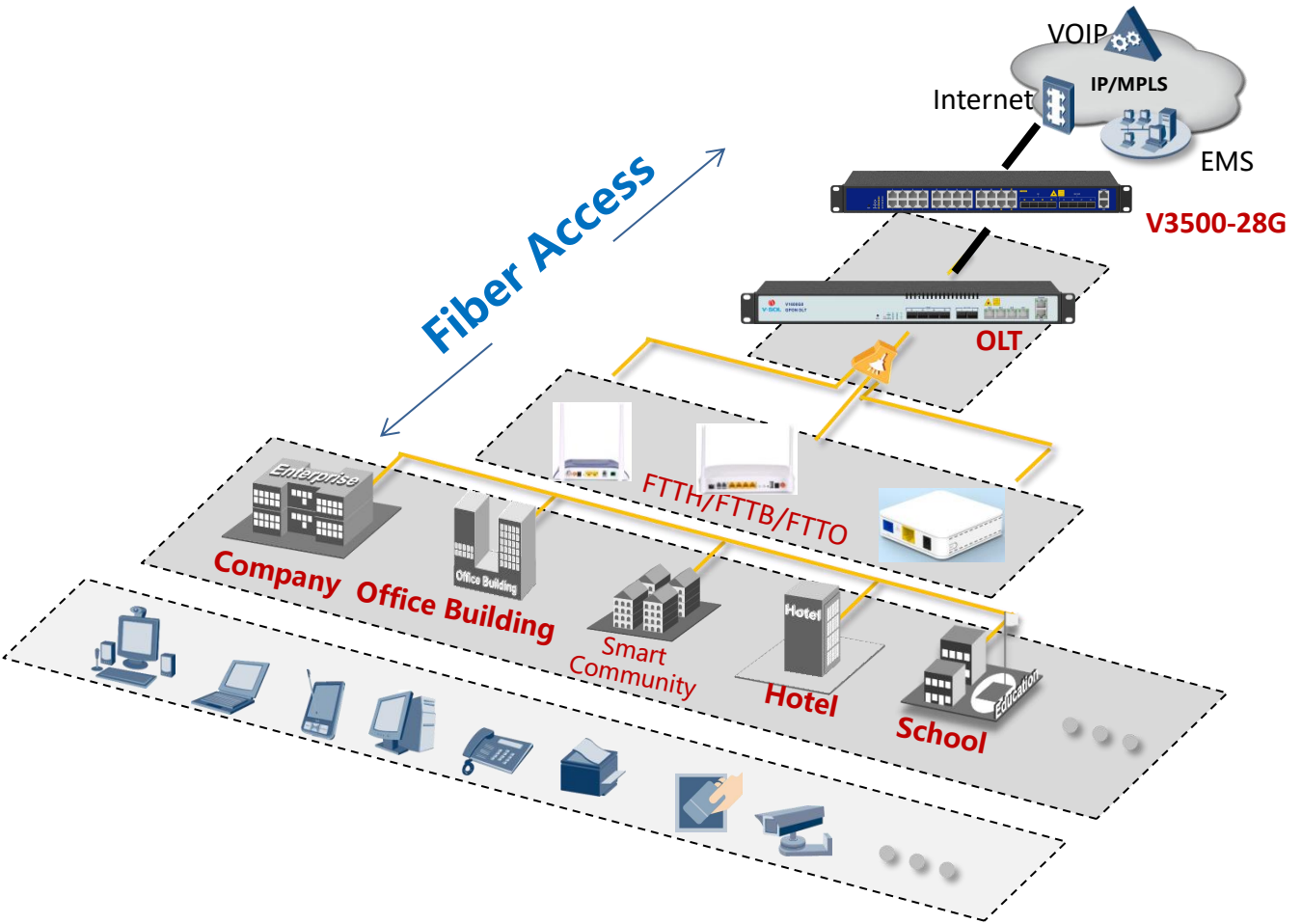
The screenshot displays the EMS web interface. At the top, there's a navigation bar with tabs for System, Device Management, Alarm Management, Performance Management, Security Management, and Help. A search bar is on the right. Below the navigation bar, there's a main content area showing a network topology diagram. The diagram includes a central node labeled '192.168.115' and a group of nodes labeled '192.168.115-0101-01' through '192.168.115-0101-11'. A sidebar on the left shows a tree view of the network structure. Below the topology diagram, there's a navigation bar with buttons for OLTs, Topo, Alarm, and Chart, along with a user profile 'user'. The main content area is divided into sections: OLT Information, Device Information, OLT Configuration, ONU Configuration, Profile Configuration, and System Configuration. The 'Device Status' section shows a row of status icons for PON1-PON4 and GE1-GE8. The 'Device Basic Information' section provides details for the device 'epon-olt', including hardware version, MAC address, system time, CPU usage, serial number, firmware version, temperature, running time, and memory usage.

Device Basic Information	
System Name	epon-olt
Serial Number	
Hardware Version	four epon olt platform
Firmware Version	V2.03.42
MAC Address	90:14:a8:12:23:35
Temperature	50C
System Time	2018-2-6 10:18
Running Time	0 Days 0 Hours 35 Minutes 59 Seconds
CPU Usage	30%
Memory Usage	13%

Access the world



Typical application diagram



Access the world