

Innovative Virtual Cluster
Switching Technique

V35XX Series

L3 MANAGED ETHERNET SWITCH



Key Features:



Supports Maximum 48 GE
TX Ports and 4 10GE
SFP+ Uplink Ports



Carrier-Level High
Reliability Layer-3 Routing
Functions



Advanced Hardware
Architecture and Industry-
leading Port Density



Varied Service
Characteristics Versatile
IPv6 Solution Complete
Security Mechanism

Introduction:

V-SOL V35XX Series is a new-generation smart switch developed for carrier IP MAN and enterprise networks. Based on the new high-performance hardware and the ROS platform, V35XX supports ACL, selective QinQ, 1:1 and N:1 VLAN switching, Ethernet OAM, carrier-level QoS, industry-level 10G Ethernet ring, etc.



Model Lists



- V3528E**
- 24*GE (RJ45) ports
 - 4*10GE/GE (SFP+) ports



- V3528EF**
- 16*GE (SFP) ports
 - 8*GE (SFP/RJ45 combo) ports
 - 4*10GE/GE (SFP+) ports



- V3528-P**
- 24*GE (RJ45, POE) ports
 - 4*10GE/GE (SFP+) ports

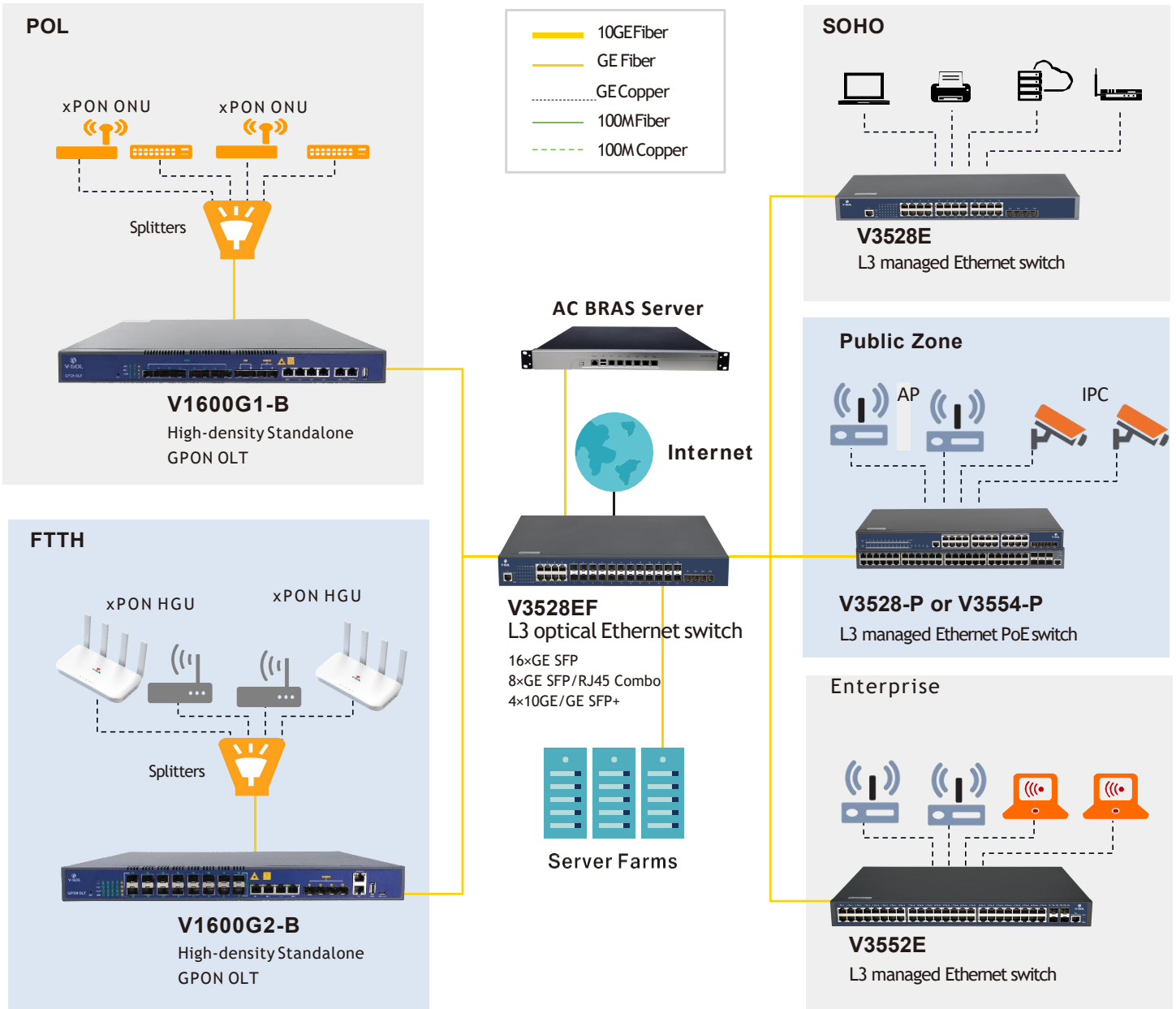


- V3552E**
- 48*GE (RJ45) ports
 - 4*10GE/GE (SFP+) ports



- V3554-P**
- 48*GE (RJ45,POE) ports
 - 6*10GE/GE (SFP+) ports

Application Diagram



Parameter		V3528E	V3528EF	V3528-P	V3552E	V3554-P
Interfaces		24*GE (RJ45)+ 4*10GE/GE (SFP+)	16*GE (SFP) + 8*GE (SFP/RJ45 combo) + 4*10GE/GE (SFP+)	24*GE (RJ45, POE) + 4*10GE/GE (SFP+)	48*GE (RJ45) + 4*10GE/GE (SFP+)	48*GE (RJ45, POE) + 6*10GE/GE (SFP+)
Console(RJ45)		1	1	1	1	1
Backplane(Gbps)		128	128	128	216	216
Forwarding rate (Mpps with 64 bytes)		96	96	96	162	162
Chassis	Dimensions (WxDxH)(mm)	440x180x44	440x280x44	440x280x44	440x280x44	440x300x44
	Weight (KG)(empty)	2.4/3.4	3.5	3.5	3.8	4.8
Package	Dimensions (WxDxH)(mm)	500x320x80	576x448x94	555x448x94	576x448x94	576x448x94
	Weight(KG)	3.4/4.4	4.5	4.5	4.6	6.0
Power	no-load	<22W	<18W	<25W	<25W	<25W
	full-load	35W	<38W	<408W	<48W	<48W(Without POE)
Power supply	AC:100V-240V 50-60Hz	45W	45W	410W	50W	450W AC and 800W DC
POE power budget		/	/	370W	/	370W AC and 740W DC
Total output BTU (1000BTU/H=293W)		153.58	153.58	1392.49	163.82	1535.84@AC, 2730.38@DC
Fan number		/	2	2	2	2
Noise@25°C(dBA)		0	45	37.5	45	45
MTBF(H)		>200,000	>200,000	>200,000	>200,000	>200,000
Forwarding mode		Store-forward	Store-forward	Store-forward	Store-forward	Store-forward
Flash(MB)		16	16	16	16	16
DRAM(MB)		256	256	256	512	512
MAC		16K	16K	16K	16K	16K
Buffer size(MB)		1.5	1.5	1.5	1.5	1.5
Interface VLAN		64	64	64	64	64
Routing table		512	512	512	512	512
Jumbo frame		9K	9K	9K	9K	9K

Features

VLAN

- 4K Active VLAN, QinQ & Selective QinQ, GVRP, Private VLAN & Voice-VLAN

Spanning Tree

- 802.1D (STP), 802.1W (RSTP) and 802.1S (MSTP)
- BPDU guard, root guard and loopback guard

Multicast

- Support IGMP v1/v2/v3, IGMP Snooping, IGMP Fast Leave, MVR, IGMP filter

IP

- Static route, RIP, OSPF
- IPv4/IPv6 dual stack

QoS

- CAR, HQoS, MAC/IP/TCP/UDP/ VLAN/ COS/ DSCP/ TOS based QoS, 802.1P/ DSCP priority re-labeling, SP, WRR, and "SP+WRR", Tail-Drop, WRED, flow monitoring and traffic shaping

DHCP

- DHCP server/relay/client
- DHCP snooping/option82

IPv6

- ICMPv6, DHCPv6, ACLv6 and IPv6 Telnet
- IPv6 neighbor discovery, Path MTU discovery
- MLD V1, MLD snooping
- IPv6 Static Routing, RIPng, OSPFv3
- Manual tunnel, ISATAP tunnel, 6 to 4 tunnel

Security

- Port isolation, Port security, and "IP+MAC+port" binding, MAC sticky DAI & IP source guard PPPoE+
- IEEE 802.1x, AAA, Radius and BDTacacs+
- L2/L3/L4 ACL flow identification and filtration Anti-attack from DDoS, TCP's SYN Flood, UDP Flood, etc
- Broadcast/multicast/unknown unicast storm-control
- MD5, SHA-256, RSA-1024, AES256, etc.

Reliability

- Static/LACP link aggregation, Interface backup
- EAPS and ERPS
- ISSU uninterrupted system upgrade
- BVSS, ups to 16-units per stack
- VRRP, UDLD

Management

- Console, Telnet, SSH v1/v2, HTTP, HTTPS, SNMP v1/v2/v3, RMOM
- TFTP, FTP, SFTP
- NTP, ZTP
- SPAN, RSPAN Dying gasp*

Environment

- Operating temperature/humidity: 0 °C - 50 °C , 10%-90% non-condensing
- Storage temperature/humidity: -20 °C -70 °C , 5%-95% non-condensing

Accessories

- Power cord, rackmount kits, console cable