

L3 MANAGED SWITCH

VF1001-48T



VF1001-48T is a L3 managed 10G switch. Provides forty-eight 10/100/1000Mbps self-adaption RJ45 port, plus four 10 gigabit SFP+ optical port, it can be used to link bandwidth higher upstream equipment. Using store-and-forward technology, combined with dynamic memory allocation, ensure the bandwidth effective allocation to each port. Special design a flow control, it can avoid packet loss effectively when nodes in the sending and receiving data. Easy to maintenance and management, meet the networking and access requirements of enterprises, intelligent village, hotel, office network and campus network. Built-in high reliability, design for wide voltage input application power supply, even if the voltage is not stable of power grid, also can guarantee the equipment can work normally.

KEY FEATURES

- ▶ Supports IEEE 802.3i, IEEE 802.3u, IEEE802.3z, IEEE802.3ab, IEEE802.3x, IEEE802.3ae, IEEE802.3az.
- ▶ Supports MAC address auto-learning and auto-aging.
- ▶ Forty-eight 10/100/1000Mbps self-adaption RJ45 port, plus four gigabit port 1000/10000Mbps SFP+ port, it can be used to link bandwidth higher upstream equipment.
- ▶ Store and forward mode operates.
- ▶ Web-based Management Support.
- ▶ Support SNMP/RMON/TELENET
- ▶ LED indicators for monitoring power, link/activity,PoE.
- ▶ 19 inches full metal iron shell and internal power adapter design, suitable for rack installation

Technical details

Chipset	RTL9311+6*RTL8218D	
Standards	IEEE 802.3i, IEEE 802.3u, IEEE 802.3az, IEEE802.3ae, IEEE802.3z, IEEE 802.3x, IEEE 802.3P, IEEE 802.3Q	
Ports	48 x 10/100/1000Mbps ports 4 x 1000/10000Mbps SFP+ ports 1 x Console port	
Network Media(Cable)	10Base-T: UTP category 3, 4, 5 cable (maximum 100m) 100Base-Tx: UTP category 5, 5e cable (maximum 100m) 1000Base-T: UTP category 5e, 6 cable (maximum 100m) 1000Base-X: MMF,SMF 10GBase-X: MMF,SMF	
Transfer Method	Store-and-Forward	
MAC Address Table	32K	
Switching Capacity	176Gbps	
Packet Forwarding Rate	130.95Mpps	
Packet Buffer	16Mbits	
Jumbo Frame	12KBytes	
LED indicators	Per Device	SYS&Mode : Green
	Per-Port	RJ45/SFP+ : Green/Orange
Power Supply	AC 100~240V, 50/60HZ, 60W internal power / Redundant Power Supply	
Dimensions (L×W×H)	440*330*44mm	
ESD	IEC61000-4-2, Level 3: Contact discharge: ±6kV, Air discharge: ±8kV	
Surge	IEC61000-4-5, RJ45 Common Mode 6kV	
	Power Common Mode 4kV	
	Power Differential mode 2kV	
Environment	Operating Temperature: 0°C ~ 45°C Storage Temperature: -40°C ~70°C Operating Humidity: 10%~90% non-condensing Storage humidity: 5%~90% non-condensing	
Port properties	Support system LED, Port configuration, Port statisticsSupport MTU, DDM	
Management and maintenance	Support System information, user management Support SSH Support Telnet-Server, Telnet-Client, Telnet6-Server, Telnet6-Client Support ping, ping6 Support Tracert Support WEB management, SNMP, RMON Support Manage IP restrictions, Manage timeouts, Reboot	
VLAN	Support 802.1Q Support vlan-mac, vlan-protocol, vlan-subnet Support QinQ Support vlan-swap, vlan-translate	

Technical details

Forwarding control	Support Mac address management Support flow-control, BandWidth-Control, DLF-Control, SLF-Control, ErrorPacket-Control
Mirror	Support mirror, remote_mirror
Security features	Support Port isolation, storm-control Support MUSER Support ip-source-guard, arp anti-flood, arp anti-spoofing Support Prevent DOS attacks Support Discard-BPDU Support dhcp anti-attack
System reliability	Support LACP, RSTP, MSTP, STP, LBD
DHCP	Support dhcp-snooping, dhcp-server, dhcp-relay, dhcp-client Support option82, option60
L2 multicast	Support IGMP-Snooping Support Static multicast
System alarm	Support syslog, cpu alarm, port alarm
Link detection	Support LLDP
Time management	Support Static state time, SNTP-Client
ARP	Support ARP, ND, ARP-proxy
IPv4	Support Ordinary VLAN interface, SuperVLAN interface, Loopback interface Support Static routing, Routing strategy Support RIP, OSPF, VRRP Support ip-def-cpu
IPv6	Support Ordinary VLAN interface, SuperVLAN interface, Loopback interface Support Static route Support RIPng

Recommended support

24x7 - 4 hours Response, Next Business Day Call to Resolution CTR

24x7 - 4 hours Response, 24 Hours Call to Resolution CTR

24x7 - 4 Hours Response, 6 Hours Call to Resolution CTR

Default support Next Business Day Consulting and deployment offerings are also available. Contact Vantageo representative for the more information.

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