

VTEL3S4G24



- 24-Port Gigabit RJ45
- 4-Port Gigabit SFP

OVERVIEW

Voltan VTEL3 series, based on the brand-new high-performance hardware and VROS software system of Voltan's independent intellectual property rights, supports rich Layer-2/Layer-3 routing and industrial ring network protocols. VTEL3 series adopts die-casting aluminum shell and standard 19-inch rack mounted installation, and provides redundant wide voltage industrial power supplies. With the reliable industrial Ethernet ring technology, its hardware based algorithm can ensure node self-healing time less than 5 milliseconds, and the ring network self-healing time less than 50 milliseconds (typical value). Voltan VTEL3 series, with fanless design, low power consumption, wide temperature and wide voltage in compliance with strict industry standards, can adapt to harsh environment requirements for EMC, anti-vibration and shock-proof capabilities, IP40 protection level. VTEL3 series can be widely used in energy, transportation, industrial production, environmental protection, military industry.

CHARACTERISTICS

Lightning protection level: 6KV. IP40 protection, industrial fanless thermal conduction.

Supports dual 220V wide-voltage industrial power input (DC model is optional). Business ports, management ports, power input terminals, and relay alarm output are located on the front panel, complying with industrial operation specifications.

Supports STP/EAPS/ERPS, Supports node self-healing time less than 5 milliseconds, and ring network self-healing time less than 50 milliseconds (typical value).

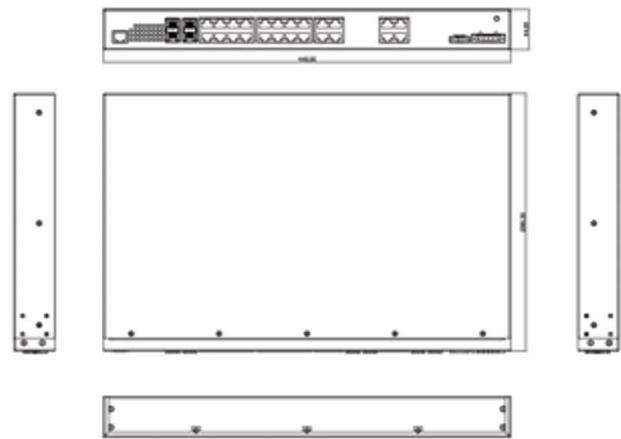
Supports layer-3 static routing, dynamic routing (RIP, OSPF), Virtual Router Redundancy Protocol (VRRP).

Supports virtual stacking.

Supports to form a self-healing ring between any two ports, and supports multiple independent self-healing rings. Provides Data Leakage Prevention (DLP), to quickly recover from network failures.

Supports simple network management protocol (SNMP) and cloud-based operating platform (Pallas). The mean time between failures (MTBF): more than 800,000 hours.

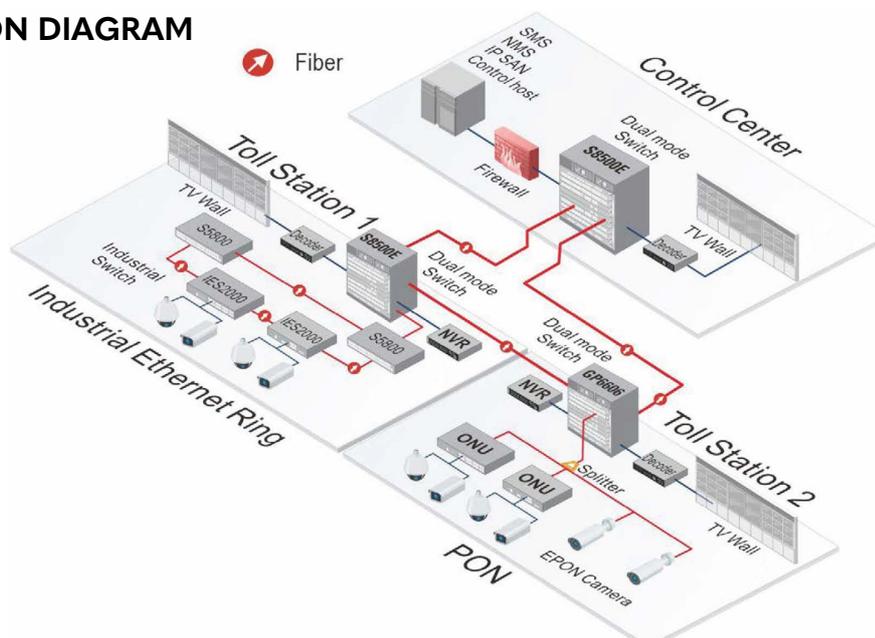
PANEL DIAGRAM



SPECIFICATIONS

Gigabit Interface	RJ45	24
	SFP	4
10G/GE SFP+		/
Console (RJ45)		1
Backplane (Gbps)		128
Forwarding rate (Mpps with 64 bytes)		42
Chassis	Dimensions (WxDxH)(mm)	440x280x44
	Weight (KG)(empty)	2.6
Package	Dimensions (WxDxH)(mm)	576x448x94
	Weight(KG)	3.4
Power consumption	no-load	13.5W
	full-load	30.05W
Power supply		Dual AC or DC 100~240V
Total output BTU (1000BTU/H=293W)		102.56
MTBF(H)		>800,000
Forwarding mode		Store-forward
Flash (MB)		16
DRAM (MB)		256
MAC		16K
Buffer size(Mb)		12
Jumbo frame		9K
Total SVI		64

APPLICATION DIAGRAM



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

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

IP

- Static route, RIP, OSPF
- IPv4/v6 dual stack

Ipv6

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

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

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 Port security, IP+MAC+port binding 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.

Virtualization

- Support Voltan Virtual Stacking System
- up to 16 stacking units

DHCP

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

Reliability

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

Management

- Console, Telnet, SSH v1/2, HTTP, HTTPS, SNMP v1/v2/v3, RMON
- TFTP, FTP, SFTP
- NTP
- ZTP
- SPAN, RSPAN
- Dying gasp*

Environment

- Operating temperature/humidity: -40~85°C ,10%-90% non-condensing
- Storage temperature/humidity: -40~85°C , 5%-95% non-condensing

Accessories

- Power cord, rackmount kits, console cable

ORDERING INFORMATION

Part.No	Description
VTEL3S4G24	24-Port Gigabit RJ45 + 4-Port Gigabit SFP L3-lite Stackable Managed Industrial Switch (supports industrial ring protection protocol, operating temperature: -40~85°C; dual industrial AC power input (90~260V), rack-mounted installation)