VTEL2S8G8

· 8-Port Gigabit RJ45

· 8-Port Gigabit SFP

VTEL2S12G4


· 4-Port Gigabit RJ45

· 12-Port Gigabit SFP

OVERVIEW

Voltan VTEL2 series, based on the bran-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. VTEL2 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 VTEL2 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. VTEL2 series can be widely used in energy, transportation, industrial production, environmental protection, military industry.

PANEL DIAGRAM

VTEL2S8G8
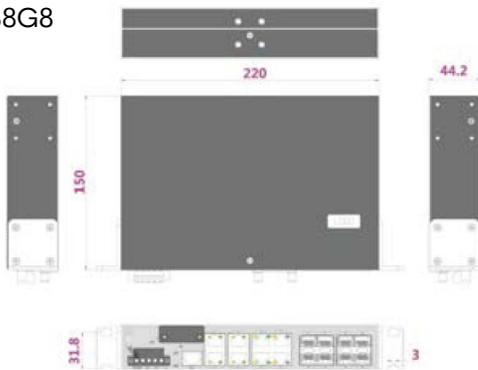
VTEL2S12G4
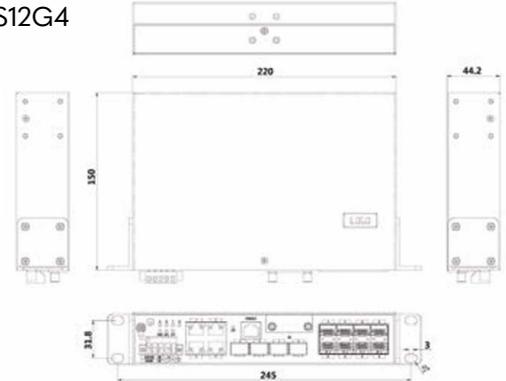
CHARACTERISTICS

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.

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CE   ISO   RoHS

SPECIFICATIONS		VTEL2S8G8	VTEL2S12G4
Gigabit Interface	RJ45	8	4
	SFP	8	12
Console (RJ45)		1	1
Backplane (Gbps)		52	52
Forwarding rate (Mpps with 64 bytes)		24	24
Chassis	Dimensions (WxDxH)(mm)	220x150x44	220x150x44
	Weight (KG)(empty)	1	1
Package	Dimensions (WxDxH)(mm)	350x268x94	350x268x94
	Weight(KG)	1.5	3.5
Power consumption	no-load	13.5W	15.5W
	full-load	30.05W	33.25W
Power supply		Dual AC or DC 100~240V	Dual AC or DC 100~240V
Total output BTU (1000BTU/H=293W)		102.56	113.48
MTBF(H)		>800,000	>800,000
Forwarding mode		Store-forward	Store-forward
Flash (MB)		16	16
DRAM (MB)		128	128
MAC		8K	8K
Buffer size(Mb)		4	4
Jumbo frame		9K	9K
Total SVI		10	10

APPLICATION DIAGRAM

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CE   ISO CERTIFIED COMPANY   RoHS

FEATURES

VLAN

· 4K VLAN entries
· GVRP
· QinQ
· Private VLAN

Ring protection

· 802.1D (STP), 802.1W (RSTP),802.1S (MSTP)
· BPDU protection, root protection and ring protection
· EAPS
· ERPS

Multicast

· MVR
· IGMP Snooping
· IGMP Fast Leave
· Multicast group policy and multicast number limit

IP routing

· Default Gateway

DHCP

· DHCP Client
· DHCP Snooping

Qos

· CAR traffic control
· 802.1P/DSCP priority remark
· Multiple queuing algorithms such as SP, WRR or SP+WRR
· IP ACL/ANY/VLAN/COS/
· DSCP/IP Preference based QoS
· Traffic supervision and traffic shaping
· Drop,Redirect

Security features

· Identification and filtering of L2/ L3/L4-based ACL
· Suppression of broadcast, multicast and unknown unicast packet
· Port isolation
· Port security, IP+MAC+port binding
· DHCP sooping, DHCP option82
· IEEE 802.1x authentication
· Radius and TACACS+ authentication
· Command line hierarchical protection

Reliability

· Static/LACP
· Ethernet OAM
· ISSU
· Backuplink

Management and maintenance

· Console, Telnet, SSH 2.0
· Zero Touch Provisioning (ZTP)
· HTTP/HTTPS
· SNMP v1/v2/v3
· Upload and download files through TFTP/FTP
· Remote Network Monitoring (RMON)

IPv6

· ICMPv6, DHCPv6, ACLv6, IPv6 Telnet
· IPv6 Neighbor Discovery
· Path MTU Discovery
· MLD Snooping

ACL

· L2/L3/L4 ACL
· IPv4, IPv6 ACL
· VLAN ACL

ORDERING INFORMATION

Part.No	Description
VTEL2S8G8	8-Port Gigabit SFP + 8-Port Gigbat RJ45 L2+ Managed Industrial Switch (AC/DC hybrid power input, working temperature: -40~85°C; IP40; DIN-rail or half-rack installation)
VTEL2S12G4	12-Port Gigabit SFP + 4-Port Gigbat RJ45 L2+ Managed Industrial Switch (AC/DC hybrid power input, working temperature: -40~85°C; IP40; DIN-rail or half-rack installation)