Techroutes
N E T W O R K

TR-IES-2526

Industrial Grade Gigabit Ethernet   Switch

Product Overview

TR-IES-2526 is a managed redundant ring Ethernet switch with 20x10/100/1000Base-T ports, 4 Gigabit combo ports and 2x100/1000Base-X SFP ports with complete support of Ethernet redundancy protocol, TR-Ring (recovery time≤15ms).

It's plug and play, designed in wide operating temperature from -40 ºC to 85 ºC, with performance of dust/salt fog proof, make it completely suitable for harsh environments.
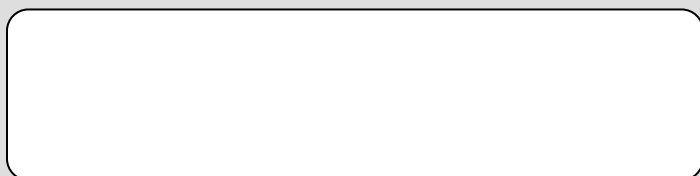
Technical Specification

	TR-IES-2526
Ports	20x10/100/1000Base-TX Ports, 4xGigabit Combo (RJ45/SFP) Ports, 2x100/1000Base-X-SFP Ports, Console Port
Backplane	52 Gbps
Forwarding	Full wire-speed filtering and forwarding , Packet forwarding rate: 38.68 Mpps
Packet Buffers	4Mbit
Switching Delay	<5µS
Switching	Store forwarding
MAC table	8K
Flow control	IEEE802.3x flow control, back pressure flow control
IPv4/Ipv6	Support
Jumbo Frame	9K
Mirror	Port mirroring, port speed limit
Storm control	Broadcast and multicast storm control
Multicast	IGMP v1/v2/v3 Snooping, MLD v1/v2Snooping
QoS	IEEE802.1p 8 active priorities queues for per port, IEEE802.1p based CoS, IP Precedence based CoS, IP DSCP based CoS
Traffic	QCL(QoS Control List): MAC Access control list (Source/Destination MAC, Ether type,

Your Route to The Destination

Classification	Priority ID/ VLAN ID)
Bandwidth control for Ingress	Rate in steps : 100 kbps Range : 100 kbps to 1Gbps Rate Unit : bit
Bandwidth control for Egress	Rate in steps : 100 kbps Range : 100 kbps to 1Gbps Rate Unit : bit Per queue shaper
Aggregation	LACP/Link Aggregation Static
Protocol Standard	IEEE802.3i/802.3u/802.3z/802.3x/802.3ad/802.1p/802.1q/802.1d/802.1w/802.1s/802.1ad/802.3az/802.1x/802.1ab
Spanning Tree	STP/RSTP/MSTP/TR-Ring/Ipv4/Ipv6
Ring Protection	Support ITU-TG.8032 Ethernet Ring protection
VLAN	IEEE802.1Q VLAN/MAC based VLAN/Protocol based VLAN /IP subnet based VLAN/Q-in-Q/GVRP/MVR, IEEE802.3ac VLAN tagging
VLAN table	4K
Management	Web, CLI, Telnet, SSH, SNMPv1/v2/v3, RMON/System syslog
Routing	Inter-VLAN Static Routing
Secure Channel	Secure channel by SSL/SSH, FTP, DAI, LAG, GUI, LLDP, LLDP-MED
Network security	Port-based IEEE802.1X/Single and multiple IEEE802.1X/MAC-based authentication/VLAN Assignment/ IP source guard/RADIUS/TACACS+/ACL/SSHv2/HTTPS
DNS	DNS client/proxy
DHCP	DHCP Server/Client/Relay/snooping
Size (WxDxH)	440×335×44mm
Shell	Metal Housing with IP40 protection level
Weight	3.5Kg
Installation	1U Rack
EMI	FCC Part15, Subpart B, Class A and EN55002 Class A
EMS	IEC61000-4-2(ESD)Level3,IEC61000-4-3(RS)exceeds Level 3,IEC61000-4-4(EFT)Level3,IEC61000-4-5(Surge)Level3,IEC61000-4-6(CS)Level 2,IEC61000-4-8,IEC61000-4-11,IEC61000-4-16
Mechanical	Vibration:IEC60068-2-6, Impact:IEC60068-2-27, Falling:IEC60068-2-32
Power Input	48VDC
Power Redundant	Yes (Optional)
Power Connection	5-Pin Terminal Block
Alarm Connection	3-Pin Terminal Block
Power Protection	Reverse connection protection, Over voltage protection, Over current protection, Alarm output
Rated Power	≤30W
Indicator	Power: P1, P2,Alarm:A, Run system/Ring: Run Connector: Link/Act, Speed (RJ45), Link/Act(SFP)
Environment	Operating Temperature: -40℃～+85℃ Storage Temperature: -40℃～+85℃ Relative Humidity: 5～95% Non-condensing

Order Information:

TR-IES-2526	Industrial Ethernet switch (1 console port, 20x10/100/1000M TX Ports,4xGE Combo (RJ45/SFP) Ports, , 2x100/1000Base-X-SFP Ports,Console Port, 48VDC Power Input)

Your Route to The Destination