

TR-IES-3910



Industrial Grade Gigabit Ethernet Switch

TR-IES-3910 series is 10-port industrial Ethernet switches, which supports auto negotiation, Offers 8x 10/100/1000M-TX ports, 2x10G/1G-SFP+ Ports. It's plug and play, designed in wide operating temperature from -40°C to 75°C, with performance of dust/salt fog proof, make it completely suitable for harsh environments.

Technical Specification

TR-IES-3910	
Ports	8x10/100/1000M TX Ports, 2x10G/1G-SFP+ Ports, Micro USB connector, RS232 TX/RX
Backplane	56 Gbps
Forwarding	Full wire-speed filtering and forwarding , Packet forwarding rate: 41.66 Mpps
Packet Buffers	32Mbit
Switching Delay	<5μS
Switching	Store forwarding
MAC table	32K
Flow control	IEEE802.3x flow control, back pressure
Mirror	Port mirroring, port speed limit
Storm control	Broadcast and multicast storm control
Multicast	IGMP v1/v2/v3 Snooping, MLD v1/v2Snooping
Routing	Static, RIP,OSPF,BGP
QoS	IEEE802.1p 8 active priorities queues for per port, IEEE802.1p based CoS, IP Precedence based CoS, IP DSCP based CoS
Redundancy	VRRP
Traffic Classification	QCL(QoS Control List): MAC Access control list (Source/Destination MAC, Ether type, Priority ID/ VLAN ID)
Bandwidth control for Ingress	Rate in steps : 100 kbps Range : 100 kbps to 1Gbps Rate Unit : bit

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Aggregation	LACP/Link Aggregation Static
IPv6	IPv6 Dual Stack
	DHCPv6, ACLv6 ,ICMPv6
	IPv6 Telnet, IPv6 SSH
	MLD Snooping
Protocol Standard	IEEE802.3i/802.3u/802.3z/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/ITU-T G.8032 Ethernet Ring Protection/TR-Ring/IPv4/IPv6
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-Console, Telnet, SNMPv1/v2/v3, RMON, System syslog, NTP
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/Sflow/RADIUS/TACACS+/ACL/SSHv2/HTTPS
DNS	DNS client/proxy
DHCP	DHCP Server/Client/Relay/snooping
Size	75×155×128mm
Shell	Metal, Fan less, IP40 protection level
Weight	1.0Kg
Installation	DIN-Rail/Wall mounting
EMI	FCC Part15 Class B, EN50155,EN50121,EN55022,EN55024
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 Redundancy	Yes (Optional)
Power Connection	7cores 5.08mmspacing inset into terminal
Alarm Connection	7cores 5.08mmspacing inset into terminal
Power Protection	Reverse connection protection, Over voltage protection, Over current protection, Alarm output
Rated Power	≤25W
Indicator	Power: P1, P2,Alarm:A, Run system/Ring: Run Connector: Link/Act, Speed (RJ45), Link/Act(SFP)
Environment	Operating Temperature: -40℃~75℃ Storage Temperature: -40℃~85℃ Relative Humidity: 5~95%(No condensation)

Order Information:

TR-IES-3910	Industrial Ethernet switch (1 console port, 8x10/100/1000M TX Ports,2x10G/1G-SFP+ Ports, Micro USB connector, RS232 TX/RX, 48VDC Power Input)
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