

AVR-SW24

Rugged Managed LAN Switch



Features

Rugged, small SWaP Managed Ethernet Switch
 24 Ports of 1 GBase-T Ethernet (10/100/1000 Mbps)
 Operating temperature: -40°C to +85°C
 Conduction cooled, sealed, IP67
 Micro D38999 connectors
 MIL-STD-810, MIL-STD-461, MIL-STD-1275/704

The Rugged LAN Switch is a 24 port managed switch featuring small Size, Weight and Power. It supports VLAN, Link aggregation (IEEE 802.3ad), jumbo frames, RSTP, ACL, QCL, IPv4 Unicast L3 switching. The switch is fully compliant to MIL-STD-810G for shock and vibration, MIL-STD-461F for Electromagnetic compatibility, MIL-STD-1275/704 for power and is designed to work in harsh environments.

Specifications

Communications	IEEE standards	IEEE 802.3, 802.3x, 802.1ad, 802.1w,802.1ad, 802.1Q,802.1s, 802.1X, 802.3ad,802.3az, 802.3ab, 802.1ab	
	Ethernet Ports	24 ports supporting 10/100/1000Base-T auto negotiation	
Chipset	Switch Chipset	Vitesse VSC7429 Carrier Grade Ethernet	
Management Functions	Layer 2 Switching	802.1Q, 8K MACs, Static MAC Addr, 4K Private VLANs, Port Isolation, IPv4/IPv6 multicast, RSTP, MSTP, STP, LACP,802.1ad, Jumbo frame, IGMPv2 snooping, Port Mirroring	
	L3 Switching	IPv4 Unicast: RIPv1/RIPv2	
	QoS	Traffic Classes, QoS Priority, QCL, ACL	
	Security	Port-Based 802.1X, Multiple 802.1X, Web & CLI Authentication ACLs for filtering/policing/port copy	
	Synchronization	SNTP & client	
	Redundancy	IEEE 802.1D-STP, IEEE 802.1w-RSTP, X-Ring Elite, with ultra high-speed recovery time less than 20ms	
	Security and authentication	Static, Dynamic, MAC address filtering; 802.1x (Port-Based, MD5/TLS/TTLS/PEAP Encryption)	
	Traffic/Storm Control	Broadcast, Multicast, Unknown unicast QoS, CoS, Rate limiting, Link aggregation, port trucking	
	Port Mirroring	Per port, multi-source port	
	IP Multicast	IGMP Snooping v1/v2/v3, MLD Snooping, IGMP	
	Configuration Management	DHCP Client, HTTP Server, HTTPS, SNMP v1 / v2c / v3 Agent, LLDP, RS-232 (CLI).	
Power Supply	12-36VDC Input, nominal 24VDC, nominal 10W, max 15W, MIL-STD-1275/704 compliant		
Environment		Operating	Non-operating
	Temperature	-40 ~ 85° C	-40 ~ 85° C
	IP Rating	IP67	
	Environmental	MIL-STD-810G	
	EMI/EMC	MIL-STD-461F	
Physical Characteristics	Dimensions (W x H x D)	120 mm x 75 mm x 130 mm not including connectors	
	Weight	~1.6 Kg	

Ordering Information

AVR-SW24-C1	Rugged managed LAN Switch with 24 ports 1GBase-T
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