

AVR-9628SW

Rugged LAN Switch



Features

Layer 3 Fully Managed Gigabit Ethernet Switch
 24 Ports of 1GBase-T Ethernet
 2 Ports Optical SFP, 1 Port serial RS-232/422
 Operation Temperature: -40°C ~ 55°C
 Conduction cooled, sealed, with D38999 connectors
 MIL-STD-810, MIL-STD-461, MIL-STD-1275/704

The Rugged LAN Switch is a 26 port L3 managed switch which supports static routing and NAT.
 The switch is fully qualified 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 with wide temperature ranges and salty environments.

Specifications

Communications	IEEE standards	IEEE 802.3, 802.3u, 802.3x, 802.3z, 802.1D, 802.1w, 802.1p, 802.1Q, 802.1X, 802.3ad, 802.3ab	
	LAN	10/100/1000Base-T auto negotiation	
	SFP	Up to 1000 Mbps	
Management Functions	VLAN	IEEE 802.1Q, GVRP	
	Redundancy	X-Ring, 802.1w/D RSTP/STP	
	Security	IP Access security, port security, DHCP client, 802.1X Port Access Control,	
	Traffic Control	IGMP Snooping/Query for multicast group management, Port Trunking, Static/802.3ad LACP, Rate limit and storm control, IEEE 802.1p QoS CoS/TOS/ DSCP priority queuing, IEEE 802.3x flow control	
	Diagnostics	Port Mirroring, Real-time traffic statistic, MAC Address Table, STNP, Syslog, E-Mail Alert, SNMP Trap, RMON	
	Unicast Routing	NAT,Static routing	
	Configuration	Web browser, Telnet, Serial console, TFTP, SNMPv1/v2c/v3, Port Speed/Duplex Configuration, IPv6	
Power Supply	12-36VDC Input, nominal 24VDC, maximum 45W, MIL-STD-1275/704 compliant		
Environment		Operating *	Non-operating
	Temperature	-40 ~ 55° C	-40 ~ 85° C
	IP Rating	IP67	
	Environmental	MIL-STD-810G	
	EMI/EMC	MIL-STD-461F	
Physical Characteristics	Dimensions (W x H x D)	447 mm x 56 mm x 417 mm not including connectors	
	Weight	8.5 Kg	

Ordering Information

AVR-9628-01	Rugged LAN Switch with 24 ports 1GBase-T and 2 ports SFP optical.
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MIL-STD-461F Compliance

Fully qualified to the following:

Requirement	CE101	Conducted emissions, power leads, 30Hz to 10 kHz
	CE102	Conducted emissions, power leads, 10 kHz to 10 MHz
	CS101	Conducted susceptibility, power leads, 30 Hz to 150 kHz
	CS106	Conducted susceptibility, transients, power leads
	CS114	Conducted susceptibility, bulk cable injection, 10 kHz to 200 MHz
	CS115	Conducted susceptibility, bulk cable injection, impulse excitation
	CS116	Conducted susceptibility, damped sinusoidal transients, cables and power leads, 10 kHz to 100 MHz
	RE101	Radiated emissions, magnetic field, 30 Hz to 100 kHz
	RE102	Radiated emissions, electric field, 10 kHz to 18 GHz
	RS101	Radiated susceptibility, magnetic field, 30 Hz to 100 kHz
	RS103	Radiated susceptibility, electric field, 2 MHz to 18 GHz
	ESD	IEC61000-4-2, 2 nd edition, 2008. +/- 8kV contact, +/- 15kV air discharge

MIL-STD-810G Compliance

Fully qualified to the following:

Requirement	High Temperature Operation	Method 502.5, Procedure I, +49°C
	High Temperature Storage	Method 502.5, Procedure 1, +71C
	Low Temperature Operation	Method 501.5, Procedure II, -30°C
	Low Temperature Storage	Method 501.5, Procedure 1, -30C
	Immersion	Method 512.5, Procedure I
	Humidity	Method 507.5- Procedure II
	Salt Fog	Method 509.5, Procedure I
	Vibration (packaged)	Method 514.6 procedure I
	Vibration (operational)	Method 528.6 Procedure I, Type 1
	Shock (Bench Handling)	Method 516.6, Procedure IV
	Shock (transit drop)	Method 516.6, Procedure IV
	Shock (loose cargo)	Method 514.6, Procedure II

Dimensions

