

# SW501-4000\_208EIDC



- High-performance Ethernet Switch
- Meets the high reliability requirements demanded by industrial rolling stock applications
- Designed to meet which critical network environment M12 connectors
- The network management system supports various network protocols and industry standards, such as static routing, STP/RSTP/MSTP, ERPS, 802.1Q VLAN, QoS function, DHCP Server, IGMP Snooping, LLDP, port trunking, port mirroring, etc
- EN50155 certified



The actual appearance is subject to the final configuration.

## Specifications

<b>MODEL</b>	SW501-4000_208EIDC		
<b>Attributes</b>	Networking Interfaces	8 x 100/1000/2500Base-TX with X-coded M12 connectors	1 x RJ45 Console port
	Management Interface	Console	
	LED Indicators	Power, Link/Act	
	Power Supply	12 - 60 V DC	
<b>Performance</b>	Switching Capacity	40 Gbps	
	Forwarding Capacity	29.76 Mpps	
	Forwarding Mode	Store and Forward	
	Packet Buffer Memory	12 Mbit	
	RAM for CPU	1 Gbit	
	Flash Memory	256 Mbit	
	MAC Address Table	16K	
	Max. Jumbo Frame size	16K	
	ACL Table	512	
	VLAN Quantity	4K	
	VLAN Interface	32	
	Routing Host	512	
	Routing Entries	64	
Port Queues	8		

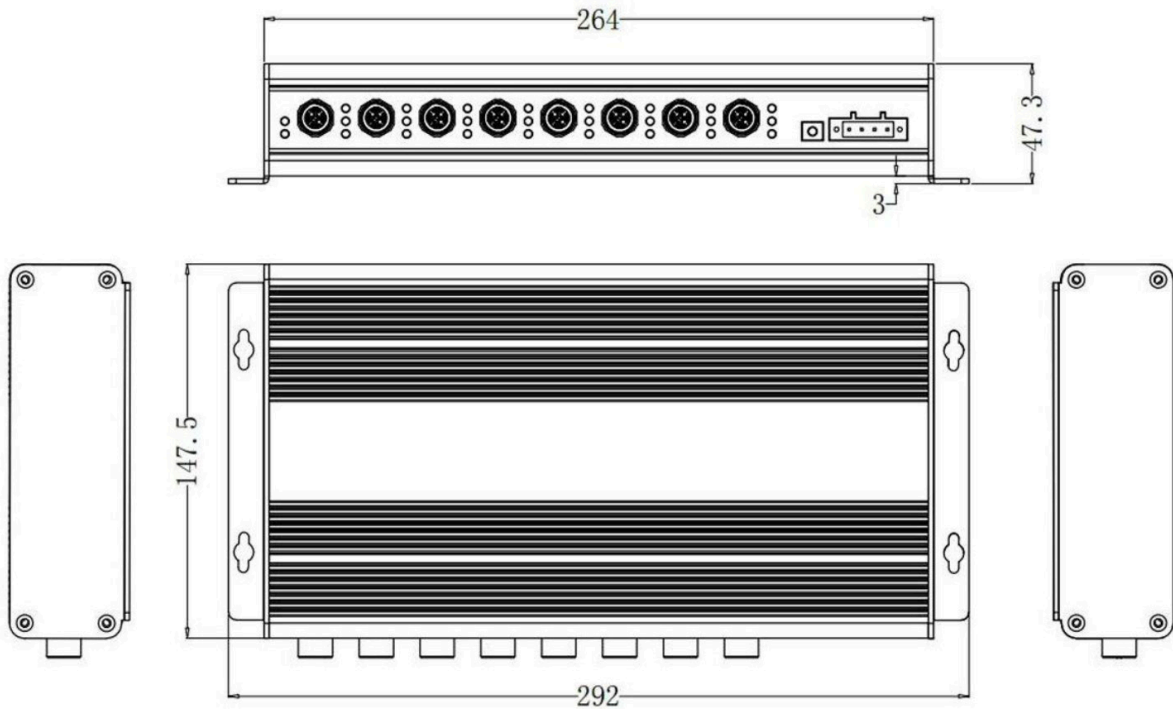
<b>Environment</b>	Operating Temperature	-40°C ~ 75°C		
	Storage Temperature	-40°C ~ 75°C		
	Relative Humidity	5% RH – 95% RH (non-condensing)		
	Dimensions	292(L) x 147.5(W) x 47.5(H)mm		
	IP Grade	IP40		
	Power Consumption	15W		
<b>Regulation</b>	EMC	FCC, CE, RoHS, EN50155		
<b>Port Configuration</b>	Enable and Disable	Support control enable and disable		
	Auto-Negotiation	Support force port mode and speed		
	Flow Control	Support IEEE802.3x full-duplex	Support half-duplex backpressure	
	Storm Control	Support broadcast, multicast and DLF package rate limit		
	Port Mirroring	Support many to one mirroring		
	Rate Limit	Support Port input and output rate limit		
	Link Aggregation	Support manual Link Aggregation		Support LACP
		Up to 8 maximum aggregation groups, each containing up to 8 ports		
	Aggregation Strategy	Source src-dst-mac	Source src-dst-mac-ip	
Port Protection	Each port can be configured into isolated protected port from each other			
<b>MAC Configuration</b>	MAC Address Table Management	Support		
	MAC Quantity Limitation	Support limit the number of MAC-addresses Learning per port		
<b>VLAN Configuration</b>	VLAN Based on 802.1Q	Support		
	MAC-Based VLAN	Support		
	Surveillance VLAN	Support		
	Protocol-Based VLAN	Support		
	Guest VLAN	Support		
	Voice VLAN	Support		
<b>L3 Routing</b>	Static Routing	Support		
<b>Multicast</b>	Static Multicast MAC Address	Support		
	IGMP Snooping	Support		
	IGMP Querier	Support		
	IGMP Filter	Support		
	MVR	Support		
	GMRP	Support		
<b>Access Control List (ACL)</b>	Based on Standard IP	Support		
	Based on Extend IP	Support		
	Based on MAC IP	Support		
	Based on MAC ARP	Support		
<b>Quality of Service (QOS)</b>	Scheduling Mode	Support WRR, SP, WFQ		
	Sorting Based on Port	Support		
	Sorting Based on 802.1p	Support		
	Sorting Based on DSCP(DiffServ)	Support		

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<b>DHCP</b>	DHCP Client	Support		
	DHCP Snooping	Support		
<b>Security</b>	Administrative Security	Support start and end TELNET, WEB and SNMP serve	Support control the number of user for TELNET	
		Support TELNET, WEB and SNMP serve binding with Standard IP ACL		
	IP-MAC Address Binding	Support binding between static configuration IP, MAC and Port		
	AAA	Support 802.1x protocol	Support RADIUS protocol	
		Support MAC-based 802.1X authentication	Support 802.1x guest VLAN	
		Support RADIUS server authentication authorization and bill		
	DHCP SNOOPING	Support dynamic ARP binding to prevent ARP spoofing	Support dynamic IP, MAC port binding	
		Support stationary port connect to DHCP server, to prevent privately connect to DHCP sever		
Prevent ARP Spoofing	Support manual configure ACL rule based on MAC ARP prevent ARP spoofing			
	Support DHCP SNOOPING function, switch dynamically binding ARP and port, when the DHCP get IP address , to prevent ARP spoofing			
<b>Management Feature</b>	CLI Management	Support serial port management	Support TELNET management	
		Support SSH management		
	WEB Management	Support HTTP/HTTPS		
	SNMP Management	Support SNMP protocol	Support SNMP TRAP	Support standard and private MIB
	User management	Support multi-user management		
	Show CPU Utilization	Support		
	Show RAM Utilization	Support		
	Log Management	Support		
	Configuration Download / Upload	Support		
	Upgrade Firmware	Support		
Timer Management	Support local timer management	Support SNTP protocol get clock		
<b>Debugging Tools</b>	PING	Support		
	TRACEROUTE	Support		
	Cable-Diag	Support		
	SFP DDM	Support		

## Dimension

Unit:mm



The actual appearance and dimensions are subject to the final configuration

## Ordering Information

M12 CONNECTORS	RJ45	Switching Capacity	Forwarding Capacity	Packet Buffer Memory	MAC Address	Max Power Consumption	Power Supply
8	1	40 Gbps	29.76 Mpps	12 Mbit	16K	15 W	12-60 V DC

## Packing List

Default Items	Qty
SW501-4000_208EIDC Unit	1
Power Cord	1
User Manual	1
Rack Mount Kit	2
Rubber Feet	4
DB9 to RJ45 Cable	1

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