

# SWM281

## GIGABIT ETHERNET MANAGED SWITCH



SWM281 360° VIEW

The SWM281 is an L2 managed switch with added L3 functionality, tailored for complex networking scenarios. With 24 Gigabit Ethernet ports and 4 dedicated SFP ports, it delivers high-bandwidth performance and reliable fibre optic communication for large-scale deployments. With support of PROFINET & other industrial protocols, this enterprise-grade 24-port switch ensures smooth integration into automated environments.



### L2+

Advanced routing protocols, VLAN segmentation, and TPM 2.0 security

### HYBRID CONNECTIVITY

24 Gigabit Ethernet with 4 SFP ports for density and long-distance connectivity

### CLOUD ENABLED

Shipped with 2 years of RMS Management

### PROTOCOLS

Profinet, MRP, and EtherNet/IP for mixed industrial environments



# RMS COMPATIBLE WITH SWM281

REMOTE  
MANAGEMENT  
SYSTEM

MANAGEMENT

ALERTS

CONFIGURATION

ACCESS

FOTA

# KEY FEATURES

## HARDWARE

RAM	Realtek, single core, 500MHz, MIPS-4KEc
Flash storage	128 MB, DDR3
Powering options	C14 connector
Input voltage range	100-240 VAC, 50/60 Hz
Power consumption	Idle: 5.5 W / Max: 20 W
Status LEDs	1 x Power LED, 48 x ETH status LEDs, 1 x Status LED, 4 x SFP status LEDs
Ethernet	24 x RJ45 ports, 10/100/1000 Mbps
SFP	4 x SFP ports
Ingress protection rating	IP30
Operating temperature	0 °C to 50 °C
Dimensions (W x H x D)	483 x 44 x 234 mm
Weight	1770 g
Mounting options	Rack mounting kit

## INDUSTRIAL PROTOCOLS

Profinet	Profinet Class B conformance (available with optional order code)
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## PERFORMANCE SPECIFICATIONS

Bandwidth (Non-blocking)	56 Gbps
Packet buffer	512 KB
MAC address table size	8K entries
Jumbo frame support	10000 bytes

## SERVICES

Supported services	"EtherNet/IP, SNMP V2, V3, LLDP, Network Management
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## NETWORK

MRP	MRP client role, MRP manager role
L2 features	Loop protection, Forwarding table, VLAN, STP/RSTP
DHCP	DHCP server, DHCP client, DHCP static leases capable of using MAC with wildcards
Port Settings	Enable/disable, link speed control, port isolation, EEE (802.3az) management, Port Mirroring
L3 Features	Static IPv4 routing, static IPv6 routing, DHCPv6 client, static IPv6 address

## QOS

QOS	Port priority, DSCP priority, 802.1p priority, TOS
Scheduling method	SP/WFQ/WRR
Bandwidth control	Rate limiting, storm control

## DIAGNOSTICS

Tools	Cable diagnostic, ping, traceroute, nslookup
Ping reboot	Capability to restart PoE in a specific port



## FRONT VIEW

## BACK VIEW

