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**Ikonic Technology Limited**
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# TSW212

## MANAGED NETWORK SWITCH

TSW212 is an L2 Teltonika Networks managed switch with additional L3 features, like DHCPv6 client support and static IPv6 routing for greater network management. This switch supports multiple industrial protocols, including EtherNet/IP, PROFINET, and MRP, and has 8 Gigabit Ethernet ports and 2 SFP ports to ensure robust long-range fibre optic communication. Encased in rugged aluminum housing, the TSW212 excels in withstanding extreme temperatures and resisting severe vibrations – all with effortless installation thanks to an integrated DIN rail mount.

Ensured by **PROFINET**

### MANAGED SWITCH

L2 with additional L3 features for advanced management capabilities

### PROFINET & MORE

Supports Profinet for automated data processing alongside other protocols, like EtherNet/IP and MRP

### ETHERNET & SFP PORTS

8 x Gigabit Ethernet ports and 2 x SFP ports for fibre optic communication

### WITCHOS

Teltonika Networks OS for switches, intuitively designed for infinite configurations

# RMS
## REMOTE MANAGEMENT SYSTEM

# COMPATIBLE WITH TSW212

MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA

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# KEY FEATURES

## HARDWARE

| | |
|---|---|
| RAM | 128MB, DDR3 |
| Flash storage | 16MB serial flash |
| Powering options | 2-pin industrial DC power socket, 7 - 57 VDC |
| Power consumption | Idle: < 2.5 W / Max: 6 W |
| Status LEDs | 1 x Power LED, 1 x Aux LED, 16 x LAN status LEDs, 2 x SFP status LEDs |
| Ethernet | 8 x RJ45 ports, 10/100/1000 Mbps |
| SFP | 2 x SFP ports |
| Ingress protection rating | IP30 |
| Operating temperature | -40 °C to 75 °C |
| Dimensions (W x H x D) | 132 x 44.2 x 122.2 mm |
| Weight | 615 g |
| Installation | Integrated DIN rail bracket, wall mounting (additional kit needed), flat surface placement |

## PERFORMANCE SPECIFICATIONS

| | |
|---|---|
| Bandwidth (Non-blocking) | 20 Gbps |
| Packet buffer | 512 KB |
| MAC address table size | 8K entries |
| Jumbo frame support | 10000 bytes |

## SERVICES

| | |
|---|---|
| Supported services | EtherNet/IP, Profinet (class B), SNMP V2, V3, LLDP |

## NETWORK

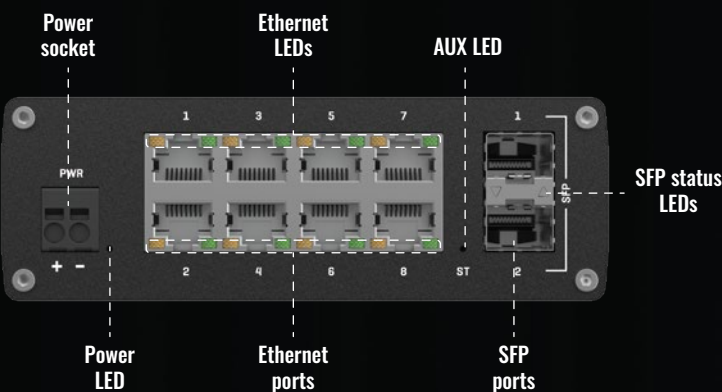| | |
|---|---|
| MRP | MRP client role, MRP manager role |
| L2 features | Loop protection, Forwarding table, VLAN, STP/RSTP |
| DHCP | DHCP server, DHCP client |
| Port Settings | Enable/disable, link speed control, port isolation, EEE (802.3az) management, Port Mirroring |
| L3 Features | Static IPv4 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 |

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## FRONT VIEW



Power socket · Ethernet LEDs · AUX LED · SFP status LEDs · Power LED · Ethernet ports · SFP ports

## BACK VIEW



Grounding screw · Reset button · Integrated DIN rail mount