

Item no.: TSW212

TSW212 - TSW212, Managed network switch

from **104,26 EUR**

Item no.: TSW212
shipping weight: 0.70 kg
Manufacturer: Teltonika



Product Description

The TSW212 is an L2 Teltonika Networks managed switch with additional L3 features such as DHCPv6 client support and static IPv6 routing for improved network management. This switch supports multiple industrial protocols, including EtherNet/IP, Profinet and MRP, and has 8 Gigabit Ethernet ports and 2 SFP ports for robust long-range fibre optic communication. The TSW212 is housed in a robust aluminium housing that can withstand extreme temperatures and strong vibrations and is easy to install thanks to the integrated DIN rail bracket.

Ethernet- Fibre optic: 2 x SFP connections- IEEE 802.3 standards: IEEE 802.1p, IEEE 802.1Q, 802.3az- ETH: Multi-layer managed 8 x ETH ports, 10/100/1000 Mbps, supports Auto MDI/MDIX crossover Services- EtherNet/IP: Yes- Profinet (Class B): Yes- SNMP V2, V3: Yes- LLDP: Yes Network- MRP: MRP client role, MRP manager role- L2 functions: Loop protection, forwarding table, VLAN, STP/RSTP- DHCP: DHCP server, DHCP client- Port settings: Enable/disable, connection speed control, port isolation, EEE (802.3az) management, port mirroring- L3 functions: 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 System features- RAM: 128MB, DDR3- FLASH memory: 16 MB serial flash memory Firmware/configuration- WEB UI: Update FW from file, check FW on server, configuration profiles, configuration backup- FOTA: Update FW- RMS: Update FW/configuration for multiple devices at once- Retain settings: FW update without losing the current configuration FIRMWARE CUSTOMISATION- Operating system: TSWOS (OpenWrt-based Linux operating system)- Supported languages: Busybox shell, Lua, C, C++- Development tools: SDK package with provided build environment Diagnostics- Tools: cable diagnostics, ping, traceroute, nslookup Performance specifications- Bandwidth (non-blocking): 20 Gbit/s- Packet buffer: 512 KB- MAC address table size: 8K entries- Jumbo frame support: 10000 bytes Power supply- Connection: 2-pin industrial DC power socket- Input voltage range: 7 - 57 VDC- Power consumption: idle: < 2.5 W / Max: 6 W Physical interfaces- Ethernet: 8 x RJ45 ports, 10/100/1000 Mbit/s- Fibre optics: 2 x SFP ports- Status LEDs: 1 x Power LED, 1 x Aux LED, 16 x ETH status LEDs, 2 x SFP status LEDs- Power supply: 1 x 2-pin industrial DC power supply socket- Reset: Software reset button- Other: 1 x grounding screw Physical specification- Housing material: anodised aluminium housing and plates- Dimensions (W x H x D): 132 x 44.2 x 122.2 mm- Weight: 615 g- Mounting options: Integrated DIN rail mount, wall mount (additional kit required), placement on flat surface Operating environment- Operating temperature: -40 °C to 75 °C- Operating humidity: 10% to 90% non-condensing- Protection class: IP30 Regulatory & type approvals- Regulatory: CE, CB, RCM, FCC, IC, EAC, UCRFEMC emissions & immunity- Standards: EN 55032:2015+A1:2020; EN 55035:2017+A11:2020; EN IEC 61000-6-2:2019- ESD: EN 61000-4-2:2009- EFT: EN 61000-4-4:2012- Radiated immunity: EN IEC 61000-4-3:2020- Immunity to overvoltages (AC mains connection): EN 61000-4-5:2014 + A1:2017- CS: EN 61000-4-6:2014- DIP: EN IEC 61000-4-11:2020

Specifications

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prices and availability

