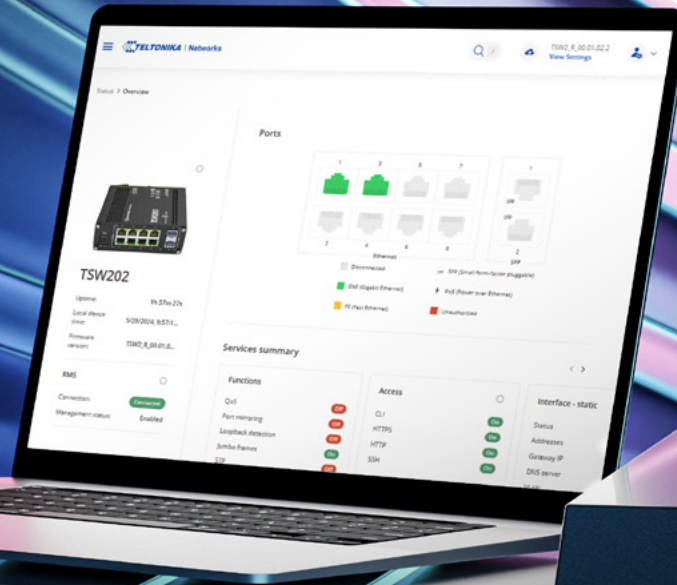# TSWOS

OpenWRT-based Linux OS designed for easy and comprehensive managed switch workflow

Seamless

Numerous DHCP options for enhanced network stability and control

Secure

Comprehensive authentication features for enhanced security and access control

Reliable

Remote port management, ensuring uninterrupted network performance

Services

Supported protocols	EtherNet/IP, Profinet (class B), SNMP V2, V3, LLDP, and more
Network management	802.1p CoS, 802.1x port-based network access control, 802.1Q VLAN

Network

MRP	MRP client/server
L2 features	Loop protection, forwarding table, VLAN, STP/RSTP
L3 features	Static IPv4 routing, static IPv6 routing, DHCPv6 client, static IPv6 address
DHCP	DHCP client/server, static leases, and MAC with wildcards
Port settings	Enable/disable, link speed control, port isolation, PoE management, EEE (802.3az) management, port mirroring

Security

Authentication	PAM, Radius & TACACS+, IP & login attempts block

QoS

QoS	Port priority, DSCP priority, 802.1p priority, ToS
Scheduling	SP/WFQ/WRR
Bandwidth control	Rate limiting, storm control
Traffic shaper	Port-based shaping

Diagnostics

Tools	Cable diagnostic, ping, traceroute, nslookup
Ping reboot	Port-specific PoE reboot

UNMANAGED ETHERNET SWITCHES

TSWO SERIES

Unmanaged switches for zero-hassle deployment

R1
S y B y
AUTOMAZIONE
&
INNOVAZIONE

COMMON FEATURES

Ethernet
5 to 8 10/100 Ethernet ports

2-pin power
Simple and suitable for industrial applications

Easy mounting
Integrated DIN rail bracket for plug-and-play deployment

Industrial design
Anodised aluminium housing and panels

TSW010
Cover your switch basics effortlessly

TSW030
8 ports, endless possibilities

TSW040
8 PoE+ ports for power & connectivity

IDEAL FOR

Water & wastewater management
Remote management and control of water treatment plants, pump stations, sewage systems, and more

Factory floor automation
Facilitates automation processes via connectivity for PLCs, sensors, actuators, and other industrial devices

PoE lighting
Centralised control and reconfiguration flexibility for smart lighting systems

AFFORDABLE INDUSTRIAL SWITCHES

Plug-and-play

No additional configuration needed, no time wasted

Easy mounting

Multiple DIN rail mounting options

Ethernet

5 x Gigabit Ethernet

Durable

Rugged aluminium housing withstanding -40 °C to 75 °C

TSW100

4 PoE+ ports for your powering needs

TSW110

For your 5-port solution needs

TSW101

Tailor-made for automotive solutions

TSW114

5 ports & integrated DIN rail bracket

IDEAL FOR

Smart building management

Connect your smart lighting, HVAC systems, occupancy sensors, and other devices

Mobile/autonomous surveillance systems

Connect your IP cameras, recording devices, and other devices for real-time monitoring and enhanced security

Industrial automation

High-speed connectivity for PLCs, HMI panels, industrial robots, and other automation and manufacturing devices

5-PORT UNMANAGED SWITCHES

TSW1 SERIES

Unmanaged switches with Gigabit versatility

SWITCH TO AUTOMOTIVE PoE

TSW101

E49

TSW2 SERIES

Gigabit network distribution

R1
AUTOMAZIONE
&
INNOVAZIONE
SyBy

COMMON FEATURES

Plug-and-play
No additional configuration needed, no time wasted

SFP
2 x SFP for long-range fibre-optic communication

Ethernet
8 x Gigabit Ethernet

Easy mounting
Back-side DIN rail bracket

TSW200
8 PoE+ Ethernet & 2 SFP for maximum efficiency

TSW210
8 Ethernet, 2 SFP, zero hassles

IDEAL FOR

Surveillance power hub
Connect your IP cameras, NVRs, and access control systems in surveillance deployments
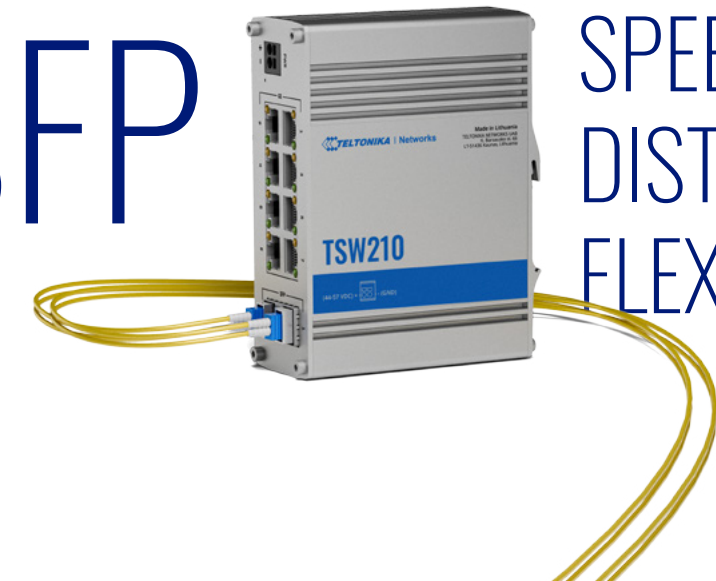
Smart agriculture
Connect your soil moisture sensors, weather stations, and irrigation controllers via simple setup and operation

Energy storage systems
Seamless communication between solar panels and energy storage systems

SFP
SPEED, DISTANCE, FLEXIBILITY

TSW2 SERIES

8-PORT MANAGED SWITCHES

Managed switches for expert applications

COMMON FEATURES

Managed
L2 managed switches with L3 features

Protocol support
PROFINET, Ethernet/IP, LLDP, MRP, SNMP V2/V3, and more

SFP & Ethernet
8 x Gigabit Ethernet and 2 x SFP

TswOS
Custom OS tailor-made for managed switches

TSW202
Network control with PoE+ capabilities

TSW212
For your advanced network control needs

IDEAL FOR

Manufacturing
Upgrade production lines to improve efficiency and reduce downtime

Highway tunnel infrastructure
Pivotal for ensuring continuous operation and safety via MRP support

Traffic control systems
Remote monitoring and management of traffic flow, signals, and surveillance cameras

CERTIFIED BY

PROFI NET

TSW304

Tiny switch for big ambitions

IDEAL FOR

Emergency services & public safety

Ensures the resilience and continuity of communication systems during emergencies or power outages

FEATURES

Extra tiny
Only 102 × 25 × 81.5 mm

Powering
Can be powered via DC, AC, or Ethernet

Gigabit Ethernet
4 x Gigabit Ethernet ports

Durable
Shock-resistant aluminium housing

TSF010

Flat switch with deep functionality

IDEAL FOR

Narrow & tight-space applications

Provides network connectivity for solutions low on space, such as information kiosks, digital signage displays, and ticketing machines

FEATURES

3-pin power
Flexible and tailor-made for industrial use

Flat & compact
Flat and compact design weighing only 142 g

Easy mounting
Integrated DIN rail bracket for plug-and-play deployment

7-57 VDC
Suitable voltage range for industrial applications

TRM2 SERIES

Connectivity – simple as that.

TRM200
LTE Cat 4 backward compatible with 3G/2G

TRM240
LTE Cat 1, backward compatible with 3G/2G

TRM250
LTE Cat M1/NB-IoT, backward compatible with 2G

R1 SyBy AUTOMAZIONE & INNOVAZIONE

COMMON FEATURES

Plug-and-play
No additional configuration needed, no time wasted

Micro USB
Powered via Micro USB

Industrial-grade
Compact and durable devices with low power consumption

4G
Single-SIM 4G modems

TRM500

5G connectivity – simple as that.

FEATURES

5G
Ultra-high cellular speeds of up to 3.4 Gbps

Future-proofing
Backward compatible with 4G (Cat 19) and 3G

USB Type-C
For simultaneous network data and powering

Compact
Small size, easy installation

R1
AUTOMAZIONE & INNOVAZIONE
S y B y

Wi-Fi ACCESS POINTS

TAP SERIES

Seamless access, simple point

COMMON FEATURES

PoE-in
Can be powered via PoE

Sleek & easy
UV-stabilised plastic housing and integrated mounting bracket

RMS
Free access to RMS Management for 24 months

Wi-Fi
802.11r, 802.11k, and 802.11v fast roaming support

TAP100
Wi-Fi 4 for enhanced wireless coverage

TAP200
Wi-Fi 5 for enhanced wireless coverage in small & medium spaces

IDEAL FOR

Public spaces
Extends wireless coverage in larger areas, such as shopping malls, universities, airports, event venues, and more

People-counting solutions
Detection of Wi-Fi-enabled devices for people counting and motion analysis for establishing foot traffic patterns

Enterprise connectivity
Ensures reliable Wi-Fi connectivity in all areas, including meeting rooms, offices, and common areas

EASY ACCESS, EASIER MOUNTING

R1 AUTOMAZIONE & INNOVAZIONE — SyBy

00390521694164

www.erre1.it

E-commerce: www.syby.it

info@erre1.it (Sales)

13 Novella Street, 43058 Sorbolo, PR, Italy