

TSW100

INDUSTRIAL UNMANAGED POE+ SWITCH



TSW100 360° VIEW



PLUG-N-PLAY

No additional configuration needed

MOUNTING

DIN rail and surface mounting options

POE

4 x PoE ports with 802.3af and 802.3at support

DURABILITY

Rugged aluminium housing

POWER BUDGET

Total power budget at PSE up to 120 W

ETHERNET

5 x Gigabit Ethernet with speeds up to 1000 Mbps

TSW100

PRODUCT DESCRIPTION

// TSW100 is the first industrial unmanaged switch from Teltonika Networks. TSW100 is equipped with five Gigabit Ethernet ports, four of which support IEEE802.3af and IEEE802.3at Power-over-Ethernet standards (PoE).

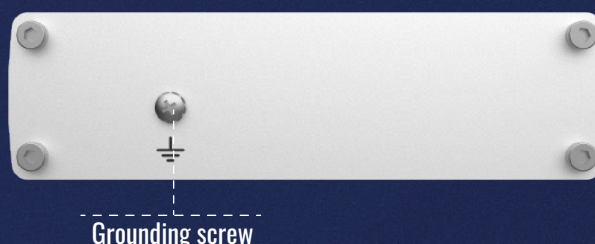
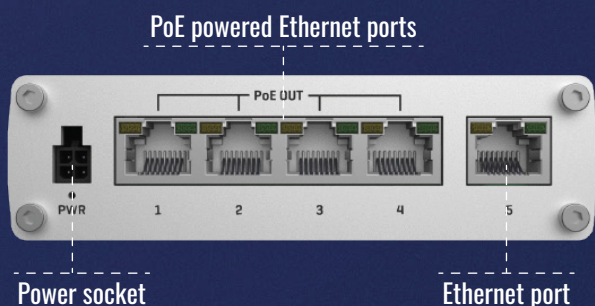
// Classified as power source equipment (PSE), it enables centralization of the power supply, providing up to 30 watts per port and reducing the effort for installing power. It has 10/100/1000 Mbps Ethernet ports to provide an economical high-bandwidth solution for your industrial Ethernet network.

// This rugged unmanaged industrial switch is ideal for professional high bandwidth applications where it is necessary to provide both: reliable data connection and power supply.



FRONT VIEW

BACK VIEW



KEY FEATURES

HARDWARE

Power supply	4 pin power socket, 7-58 VDC
Power consumption	Idle: < 2 W, Max: < 9 W (no PoE device connected)
PoE standard	802.3af/at (max 30 W per port, total power budget 120 W)
Ethernet	5 x 10/100/1000 Ethernet ports: 4 x PoE, 1 x Uplink
Connectors	1 x 4 pin DC, 5 x Ethernet
Status LEDs	10 x Ethernet, 1 x Power
Ingress protection rating	IP30
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with wall or DIN rail mounting option and grounding capability
Dimensions	115 x 32 x 95 mm
Weight	340 g
Installation	Desktop, wall or DIN Rail mountable (additional kit needed)

PERFORMANCE SPECIFICATIONS

Bandwidth	Bandwidth 10 Gbps
Packet buffer	128 KB
Jumbo frame support	9216 bytes
MAC address table size	2K entries
Auto MDI/MDI-X Cable Detection	Yes

SOCIAL



TRB142

INDUSTRIAL RUGGED LTE RS232 GATEWAY



TRB142 360° VIEW



CONNECTIVITY

4G/LTE (Cat 1), 3G, 2G

SERIAL PORT

Equipped with RS232 for serial communication

COMPACTNESS

Small size, easy installation

DURABILITY

Rugged aluminum housing

9-30V

Wide range of supported power supply voltages

RMS

Compatible with Teltonika Remote Management System

TRB142

PRODUCT DESCRIPTION

// TRB142 comes with a widely used RS232 interface for remote device management.

// It is equipped with mission-critical LTE Cat 1 capabilities and software based on OpenWRT, hence offering a high degree of customization.

// Just like the other TRB series products, it provides a wide range of software features such as SMS control, VPN, IPsec, Firewall, and FOTA support.

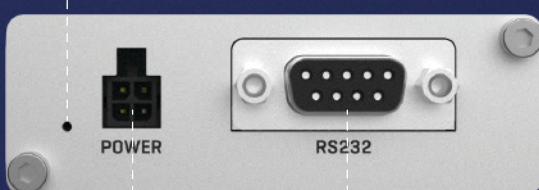
// This gateway is durable, offers a wide range of power supply voltages, and is compatible with Teltonika Networks Remote Management System (RMS).



FRONT VIEW

BACK VIEW

Power LED



Power socket

RS232 connector

Mobile antenna connector



USB connector

Reset button

KEY FEATURES

HARDWARE

Mobile	4G/LTE (Cat 1), 3G, 2G
CPU	Qualcomm, ARM Cortex A7, 1.2 GHz
Memory	512 MBytes Flash (70 MBytes for userspace), 128 MBytes RAM (50 MBytes for userspace)
Powering option	4 pin power socket, 9-30 VDC
SIM	1 x Internal SIM holder (2FF)
Antenna connectors	1 x SMA for mobile
Inputs/Outputs	On 4 pin socket: 2 x Digital input/Digital open collector output (configurable)
Serial	1 x RS232
Other	1 x Micro USB slave
Status LEDs	3 x Connection type, 5 x Signal strength, 1 x Power
Operating temperature	-40° C to 75° C
Housing	Aluminium housing with DIN rail mounting option
Dimensions (W x H x D)	75 x 25 x 65 mm
Weight	135 g

SOFTWARE

Operating system	RutOS
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, DHCP, Telnet
Monitoring and Management	WEB UI, CLI, SSH, SMS, TR-069, SNMP, JSON-RPC, MQTT, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Telenor, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
Modbus	TCP slave, TCP master, RTU master, RTU gateway, Modbus over MQTT
Serial	Console, Over IP, Modem, NTRIP, Modbus

RMS

RMS | REMOTE MANAGEMENT SYSTEM
COMPATIBLE WITH TRB142
 MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA



SOCIAL



TRB245

INDUSTRIAL M2M LTE GATEWAY



TRB245 360° VIEW



CONNECTIVITY

4G/LTE (Cat 4), 3G, 2G

SERIAL PORTS

RS232/RS485 serial communication interfaces

I/O

Multiple Inputs and Outputs for remote monitoring and control

9-30V

Wide range of power supply voltages

DUAL SIM

With auto failover, backup WAN and other switching scenarios

GNSS

Global Navigation Satellite System for location services with geofencing functionality

TRB245

PRODUCT DESCRIPTION

// Industrial LTE Cat 4 gateway packs all essential features for any industry: fast and reliable internet connection, combination of Ethernet and serial communication, secure power connector, I/O ports, and time synchronization services.

// TRB245 can be used to integrate modern and legacy industrial equipment in one solution via RS232 or RS485 interfaces.

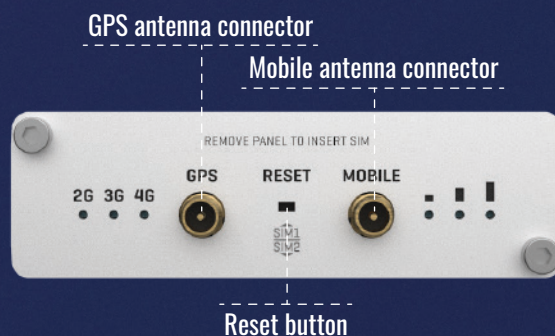
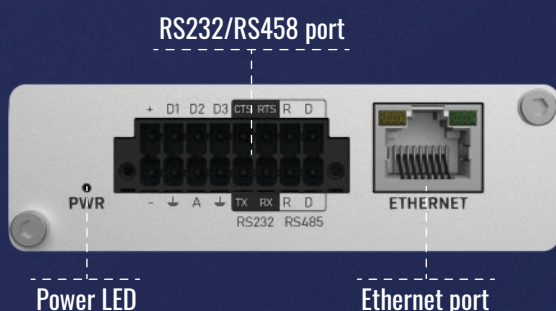
// A wide range of software features like SMS control, Firewall, OpenVPN, IPSec, RMS ensures that data can be reached securely.

// Dual SIM functionality with auto-failover and a backup WAN ensure stable connectivity even if the primary connection is lost.



FRONT VIEW

BACK VIEW



KEY FEATURES

HARDWARE

Mobile	4G/LTE (Cat 4), 3G, 2G
CPU	Qualcomm, MIPS 24Kc, 650 MHz
Memory	16 MBytes Flash, 64 MBytes RAM
Powering option	16 pin terminal, 9-30 VDC
SIM	2 x Internal SIM holders (2FF)
Antenna connectors	1 x SMA for mobile, 1 x SMA for GPS
Ethernet	1 x 10/100 Ethernet port
GNSS	GPS, GLONASS, BeiDou, Galileo, QZSS
Inputs/Outputs	On 16 pin socket: 3 x Digital input/Digital open collector output (configurable), 1 x Analog input
Serial	1 x RS232, 1 x RS485
Status LEDs	3 x Connection type, 3 x Signal strength, 2 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option
Dimensions (W x H x D)	83 x 25 x 74 mm
Weight	165 g

SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Multiple PDN, Auto APN, Band lock, SIM switch, Operator black/white list, Data/SMS limits
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, DHCP, Telnet
Monitoring and Management	WEB UI, CLI, SSH, SMS, TR-069, SNMP, JSON-RPC, MQTT, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Telenor, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
NTP	NTP Server, NTP Client, Sync with: External NTP server, GNSS, Mobile operator
GNSS	NMEA forwarding, AVL, Geofencing
Modbus	TCP slave, TCP master, RTU master, RTU gateway, Modbus over MQTT
Serial	Console, Over IP, Modem, NTRIP, Modbus
Administration	Multi user, Configuration profiles, Diagnostics, logs, Configuration backup

RMS

RMS | REMOTE MANAGEMENT SYSTEM
COMPATIBLE WITH TRB245
 MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA



SOCIAL

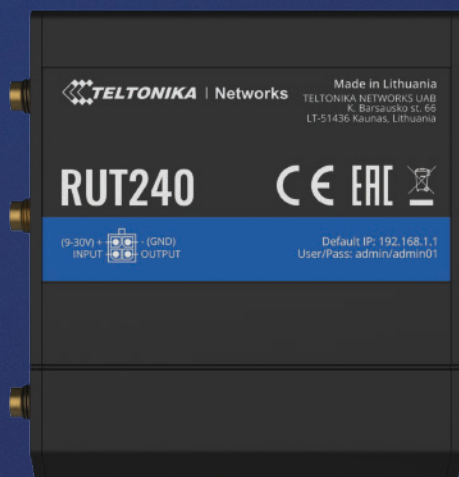


RUT240

INDUSTRIAL CELLULAR ROUTER



RUT240 360° VIEW



CONNECTIVITY

4G/LTE (Cat 4), 3G, 2G

WAN FAILOVER

Automatic switching to available backup connection

WIFI

Wireless Access Point with Hotspot functionality

COMPACTNESS

Small size – easy integration

I/O

Digital Input/Output for remote monitoring and control

RMS

Compatible with Teltonika Remote Management System

RUT240

PRODUCT DESCRIPTION

// RUT240 is an all-time bestseller industrial 4G LTE Wi-Fi router for professional M2M & IoT applications.

// It delivers high performance for mission-critical cellular communication in rigorous environments.

// RUT240 is widely used for 4G backup, Remote Connection, Advanced VPN, and tunneling services in IoT networking solutions.

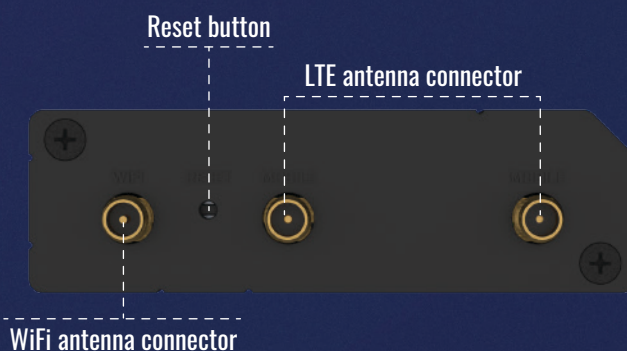
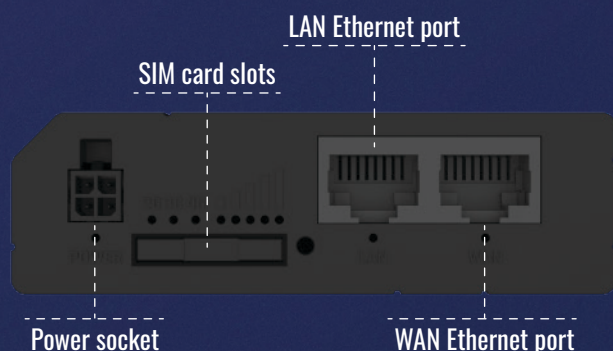
// WAN failover ensures automatic switch to alternative backup connection in case of any connectivity issues.

// The Wi-Fi is functional in both: Access point and Station mode at the same time.



FRONT VIEW

BACK VIEW



KEY FEATURES

HARDWARE

Mobile	4G/LTE (Cat 4), 3G, 2G
CPU	Atheros, MIPS 24Kc, 400 MHz
Memory	16 MBytes Flash, 64 MBytes RAM
Powering option	4 pin power socket, 9-30 VDC
SIM	1 x External SIM holder (2FF)
Antenna connectors	2 x SMA for mobile, 1 x RP-SMA for WiFi
Ethernet	2 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 1 x LAN
WiFi	IEEE 802.11b/g/n, Access point (AP), Station (STA)
Inputs/Outputs	On 4 pin socket: 1 x Digital input, 1 x Digital open collector output
Status LEDs	3 x Connection type, 5 x Signal strength, 2 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option, plastic panels
Dimensions (W x H x D)	83 x 25 x 74 mm
Weight	135 g

SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Auto APN, Band lock
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, FTP, SMTP, SSLv3, TLS 1.3, ARP, PPP, PPPoE, DHCP, Telnet
Network	Failover (Network backup), VLAN, QoS, Load Balancing
Security	DDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), Port scan prevention (SYN-FIN, SYN-RST, X-mas, NULL flags, FIN scan attacks)
VPN and tunneling	OpenVPN, IPsec, GRE, PPTP, L2TP, Stunnel, DMVPN, SSTP
Monitoring and management	WEB UI, CLI, SSH, SMS, TR-069, SNMP, JSON-RPC, MQTT, RMS
Connection monitoring	Ping Reboot, Wget reboot, Periodic Reboot, LCP and ICMP for link inspection
Cloud solutions	RMS, FOTA, Telenor, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
SMS features	SMS status, SMS configuration, Send/Read SMS via HTTP POST/GET, EMAIL to SMS, SMS to Email, SMS to HTTP, SMS to SMS, scheduled SMS, SMS autoreply, SMPP
Services	DDNS, VRRP, Wake On Lan (WOL), WEB filter, UPNP, Traffic Logging

RMS

RMS | REMOTE MANAGEMENT SYSTEM
COMPATIBLE WITH RUT240
 MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA



SOCIAL



RUT955

INDUSTRIAL CELLULAR ROUTER



RUT955 360° VIEW



CONNECTIVITY

4G/LTE (Cat 4), 3G, 2G

GNSS

Global Navigation Satellite System for location services and time synchronization

RMS

Compatible with Teltonika Remote Management System

DUAL SIM

For additional connection reliability

I/O

Multiple digital and analog inputs and outputs for equipment control and event notification

SERIAL PORTS

RS232/RS485 serial communication interfaces

RUT955

PRODUCT DESCRIPTION

// RUT955 is a highly reliable industrial LTE Cat 4 router that delivers high performance and GNSS location capabilities.

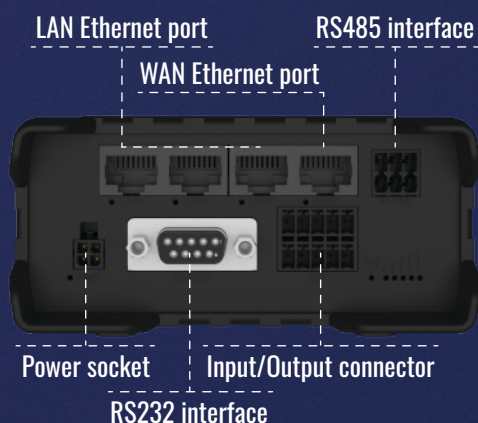
// Ethernet, Digital, and Analogue I/O, RS232, RS485, GNSS (GPS), microSD, and USB interfaces allow for an incredible variety of industrial application scenarios.

// It is equipped with connectivity redundancy via Dual SIM failover.

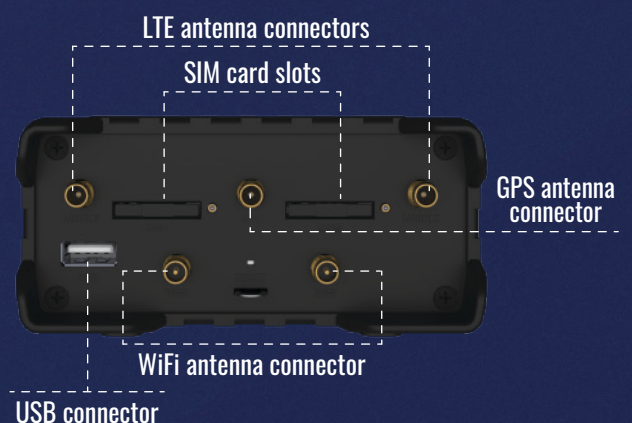
// It comes with RutOS which is packed with advanced software features, like Modbus, SNMP, TR-069, NTRIP, MQTT, and multiple VPN services.



FRONT VIEW



BACK VIEW



KEY FEATURES

HARDWARE

Mobile	4G/LTE (Cat 4), 3G, 2G
CPU	Atheros, MIPS 74Kc, 550 MHz
Memory	16 MBytes Flash, 128 MBytes RAM
Powering option	4 pin power socket, 9-30 VDC
SIM	2 x External SIM holders (2FF)
Antenna connectors	2 x SMA for mobile, 2 x RP-SMA for WiFi, 1 x SMA for GPS
Ethernet	4 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN
WiFi	IEEE 802.11b/g/n, Access point (AP), Station (STA)
GNSS	GPS, GLONASS, BeiDou, Galileo, QZSS
Inputs/Outputs	On 4 pin socket: 1 x Digital input, 1 x Digital open collector output On 10pin socket: 1 x Isolated digital input, 1 x Digital dry input, 1 x Analog input, 1 x Isolated open collector output (requires external voltage), 1 x Relay output (non-latching)
Serial	1 x RS232, 1 x RS485
Other	1 x USB host, 1 x MicroSD
Status LEDs	1 x Bi-Color connection type, 5 x Signal strength, 4 x Ethernet, 1 x Power
Operating temperature	-40 °C to 75 °C
Housing	Aluminium housing with DIN rail mounting option, plastic panels with flat mounting option
Dimensions (W x H x D)	109 x 50 x 103 mm
Weight	295 g

SOFTWARE

Operating system	RutOS (OpenWrt based Linux OS)
Mobile features	Band lock, SIM switch, Operator black/white list, Data/SMS limits
Network	Failover (Network backup), VLAN, QoS, Load Balancing
Monitoring and management	WEB UI, CLI, SSH, SMS, TR-069, SNMP, JSON-RPC, MQTT, RMS
Cloud solutions	RMS, FOTA, Telenor, Azure IoT Hub, Cloud of Things, Cumulocity, ThingWorx
NTP	NTP Server, NTP Client, Sync with: External NTP server, GNSS, Mobile operator
GNSS	NMEA forwarding, AVL, Geofencing
Modbus	TCP slave, TCP master, RTU master, RTU gateway, Modbus over MQTT
Serial	Console, Over IP, Modem, NTRIP, Modbus

RMS

RMS | REMOTE MANAGEMENT SYSTEM
COMPATIBLE WITH RUT955
 MANAGEMENT | ALERTS | CONFIGURATION | ACCESS | FOTA



SOCIAL

