

# Teltonika Product Training

## *COURSE CONTENT*

### GET IN TOUCH



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## About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

## About Course

Teltonika Product Training by Multisoft Systems is designed to help professionals develop expertise in industrial networking, IoT communication, and remote connectivity solutions using Teltonika devices. This comprehensive training introduces learners to Teltonika routers, gateways, switches, RMS (Remote Management System), and industrial communication technologies widely used across automation, manufacturing, transportation, energy, and smart infrastructure industries.

## Module 1: Introduction to Teltonika Products

- ✓ Overview of Teltonika Networks
- ✓ Industrial networking fundamentals
- ✓ Introduction to IoT and M2M communication
- ✓ Understanding Teltonika product portfolio
- ✓ Applications of Teltonika devices in industries
- ✓ Industrial networking architecture

## Module 2: Networking Fundamentals

- ✓ TCP/IP fundamentals
- ✓ IP addressing and subnetting
- ✓ DHCP and DNS concepts
- ✓ VLAN and NAT configuration
- ✓ Routing and switching basics
- ✓ Network troubleshooting fundamentals

## Module 3: Teltonika Routers Configuration

- ✓ Introduction to Teltonika routers
- ✓ RouterOS and WebUI overview
- ✓ WAN and LAN configuration
- ✓ Wi-Fi setup and management
- ✓ SIM card and mobile connectivity setup
- ✓ LTE and 5G router configuration

## Module 4: Remote Management System (RMS)

- ✓ Introduction to Teltonika RMS
- ✓ Device onboarding and registration
- ✓ Remote access and monitoring
- ✓ Firmware and configuration management

- ✓ Alerts and reporting features
- ✓ Remote troubleshooting techniques

## **Module 5: VPN and Secure Connectivity**

- ✓ VPN fundamentals
- ✓ OpenVPN configuration
- ✓ IPsec VPN setup
- ✓ WireGuard VPN configuration
- ✓ Firewall and security policies
- ✓ Secure remote communication practices

## **Module 6: Industrial Communication Protocols**

- ✓ Modbus TCP and Modbus RTU
- ✓ MQTT protocol fundamentals
- ✓ Serial communication setup
- ✓ RS232 and RS485 configuration
- ✓ Industrial data transmission concepts
- ✓ Integration with SCADA systems

## **Module 7: Advanced Routing and Network Services**

- ✓ Static and dynamic routing
- ✓ Failover and redundancy setup
- ✓ Load balancing configuration
- ✓ QoS and bandwidth management
- ✓ Port forwarding and traffic rules
- ✓ DNS and network optimization

## **Module 8: IoT and Automation Integration**

- ✓ IoT gateway configuration

- ✓ Cloud connectivity concepts
- ✓ Data collection and transmission
- ✓ Edge networking concepts
- ✓ Integration with industrial automation systems
- ✓ Smart monitoring solutions

## **Module 9: Network Security and Cybersecurity**

- ✓ Industrial cybersecurity fundamentals
- ✓ Firewall management
- ✓ Access control and authentication
- ✓ Secure device management
- ✓ Threat prevention techniques
- ✓ Best practices for industrial network security

## **Module 10: Troubleshooting and Diagnostics**

- ✓ Device diagnostics tools
- ✓ Log analysis and monitoring
- ✓ Connectivity troubleshooting
- ✓ Network performance testing
- ✓ Identifying communication failures
- ✓ Maintenance and support practices

## **Module 11: Real-Time Industrial Use Cases**

- ✓ Smart factory connectivity
- ✓ Transportation and fleet networking
- ✓ Energy and utility communication systems
- ✓ Remote site connectivity solutions
- ✓ SCADA and automation deployments
- ✓ Industrial IoT implementation scenarios

## Module 12: Project and Practical Implementation

- ✓ End-to-end industrial network setup
- ✓ VPN implementation project
- ✓ RMS-based remote monitoring project
- ✓ Industrial communication integration
- ✓ Troubleshooting live scenarios
- ✓ Best deployment practices and final assessment