



Customized Microwave Solutions



SAF Tehnika is among the world's top microwave carrier-class point-to-point data transmission equipment manufacturers and distributors. Originally incorporated and having its headquarters in Northern Europe, SAF Tehnika has become a global reach company within just a decade, covering all relevant market segments in more than 130 countries worldwide. SAF products are ISO certified and correspond to the major industry standards such as ETSI, FCC and Industry Canada.

Company's product portfolio covers all licenced and licence-free frequency bands within the range of 300MHz-42GHz with capacities up to 1Gigabit full-duplex. SAF Tehnika has also created world's first handheld spectrum analyzer Spectrum Compact.

SAF Tehnika is committed toward providing strong focus on both the production and delivery of customer-

adapted wireless solutions at a competitive price and highest standards of quality.

Company's shares are being publicly traded in NASDAQ OMX Riga stock exchange.

Reasons for choosing SAF

- More than 15 years of experience in the field of microwave engineering
- Global presence in more than 130 countries all around the world
- Customer oriented policy with excellent technical & customer support
- Short lead times (local stock for selected product lines)
- Rapidly settled logistic processes
- Innovative engineering and ability to provide highly customized solutions
- Exceptional quality and warranty terms
- Manufactured in European Union

SAF Product highlights*

Spectrum Compact

World's first cell-phone sized spectrum analyzer for 6-40GHz frequency bands

- Excellent tool for: fast antenna alignment, interference detection, cross-polarization alignment
- Smallest device on market for on-site spectrum analysis
- Easy-to-learn intuitive user interface
- Market-leading noise floor of -105 dB: excellent for long distance remote site analysis

Freemile 17/24GHz

Full-outdoor licence-free carrier-grade last mile radio providing 100Mbps Fast Ethernet

- best solution for licence free bands with carrier grade quality radios
- lowest latency among licence free equipment for best VoIP and video-streaming applications
- transferring 100% traffic of Fast Ethernet independently of packet size or link distance
- minimized interference with narrow-beam antennas and built-in ACM/ATPC
- user friendly GUI for easy installation

Marathon

The most modern low frequency microwave radio system for industrial applications on the market

- Ideal for TETRA and SCADA applications
- Covering long distances
- NLOS operation possible
- Fan-less design: unique in market with zero-maintenance
- Modern chipset with latest technology
- Modem: ACM and ATPC for longer distance and reliable performance
- Management: user friendly WEB GUI with failure-safe configuration for remote site.
- Built-in managed Gigabit Ethernet switch with QoS, VLANs, Spanning Tree Protocols for up-date network configurations
- All indoor system for ideal surge protection.
- Low power consumption

CFIP-106/108

Full-outdoor radio with 100Mbps Fast Ethernet and four E1/T1

- Patented ODU mounting clamps for quick and easy installation
- Industry-Leading reliability and durability in harsh environment
- Low power consumption for sites with alternative energy sources, like solar panels and wind turbines
- Ideal for last-mile access with narrow channel sizes over E1/T1 connectivity
- All-outdoor form factor, ideal for hybrid wireless network installations with Ethernet and E1/T1 connectivity

Integra

Integrated carrier-grade microwave radio, delivering up to 1Gbps Full Duplex

- Unique in industry All-Outdoor compact integration of Antenna, radio, modem and Ethernet network processor with 3 Gigabit ports for user traffic
- Highest throughput with 1024QAM modulation.
- Bandwidth coverage from 3.5MHz up to 60MHz in single hardware design for best distribution
- Up to 1Gbps throughput with header compression
- Industry best corrosion resistance for salty environment installation
- Lightweight – easy to install
- Sets new standards for web interface

CFIP Lumina

Full Outdoor 366Mbps Gigabit Ethernet radio for IP networks

- Built-in managed Gigabit switch for shelter-free installations
- Fibre optics up to radio for 100% lightning protection
- Fast and easy installation and set-up
- proven reputation – delivered in 100 countries across all continents

Freemile 5 GE MIMO

Carrier-grade radio for Ethernet packet data transmission

- System is small packet transfer capacity optimized. Capacity up to 105Mbps FDX / up to 210Mbps aggregate
- SAF PoE injector (IEEE 802.3af), is supporting 33 to 60V DC input, any polarity to ground
- Carrier grade metal enclosure, IP67 ingress protection, industrial grade EMC protected, built-in lightning protection on Gb Ethernet cable
- User friendly monitoring and configuration GUI. Possibility to control and monitor using SAF NMS.
- Carrier grade MW radio mount

PhoeniX series

Compact and feature rich split-mount solutions for broadcasting, telecom industry, government and many other industries

- Ability to install the system in various network topologies and configurations
- Flexible TDM/IP architecture allows easy transition from TDM-only to hybrid or IP-only with additional option for ASI interfaces for digital video broadcasting
- XPIC support enables 2+0 configuration using both polarizations in a single channel
- Fanless cooling system and split mount architecture
- Built-in managed Carrier Gigabit Ethernet switch with advanced QoS, OAM, MEF 9&14, 1588v2 PTP and SyncE support
- AES 256-bit over-the-air encryption

* For more detailed information about SAF products visit our website www.saftehnika.com or contact your SAF representative. Product features may vary between different models and configuration