

VCX-IP

Integrated voice, radio and data gateway

Introducing continuous infrastructure transformation with Frequentis VCX-IP – the advanced gateway to modernize your communication with ease! The VCX-IP gateway simplifies your transition from legacy voice, radio, and data systems to a modern IP network.

Key features

Effortless migration, unparalleled performance

VCX-IP seamlessly integrates and converts protocols for all channels, ensuring secure and reliable operations meeting strict FAA and European standards. Its intelligent routing optimizes communication flow, while the flexible architecture allows a smooth transition from your existing infrastructure. VCX-IP offers high-performing network optimization with features like dynamic delay compensation and echo-free sidetone, and unparalleled reliability due to fully redundant hardware and software.

Unmatched performance and reliability

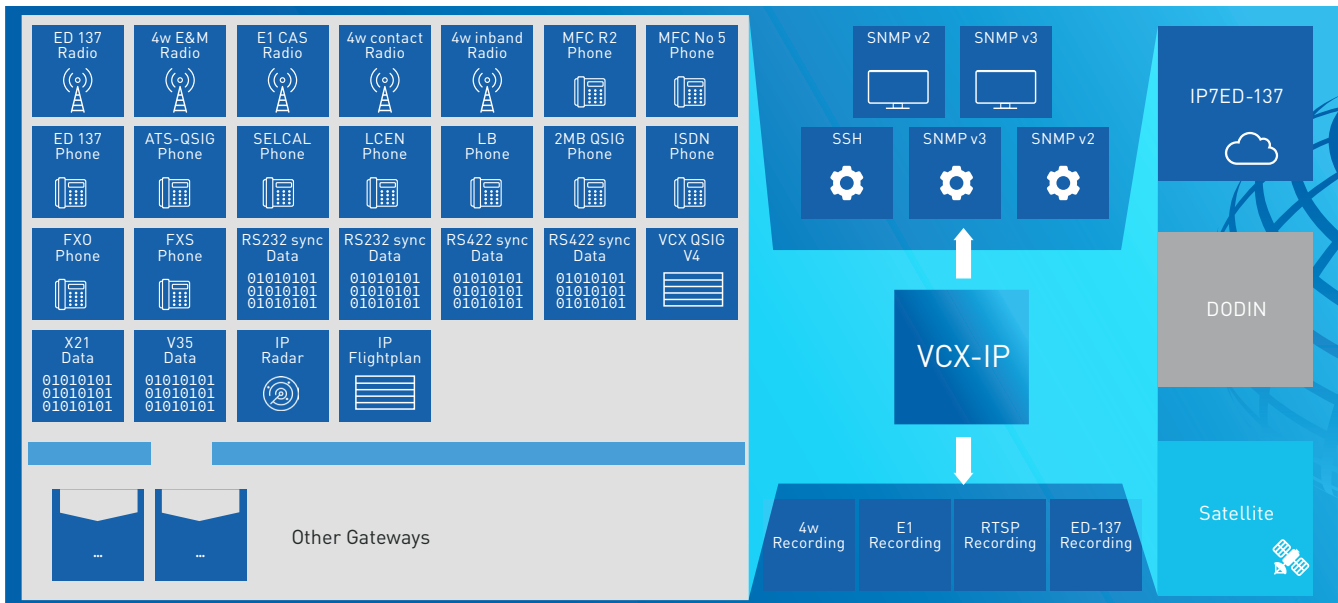
Crystal-clear communication: VCX-IP ensures echo-free voice calls and optimized network behavior for all your voice and data traffic, meeting international ED-137 standards.

Always available: Experience exceptional service continuity with fully redundant hardware and software, designed to maintain connections even in case of outages. This meets the high availability and fast switchover requirements of ED-153 SWAL3.



VCX-IP at a glance

- Advanced voice, radio and data gateway
- Safety by design
- Integrated network for phone, radio and data
- Hot-pluggable interfaces, boards and active cooling components
- Investment protection
- Echo-free side tone and communication
- ED-137 compliant



Benefits

Reduced cost

VCX-IP minimizes your total cost of ownership. It supports various legacy interfaces within your new IP environment, works seamlessly with existing equipment, and offers long lifecycle support (10 years). Additionally, features like voice compression, bandwidth optimization, and flexible routing help you save on operational cost. VCX-IP's intelligent routing and sophisticated application-level gateway deliver exceptional service continuity and meet your Quality of Service (QoS) requirements.

Ready for now and the future

To enhance communications and airspace management, VCX-IP was recently deployed by various United States Department of Defense agencies as the IP network migration solution for the Multi-Frequency Compelled R2 (MFC-R2) Channel Associated Signaling (CAS) connectivity between airfield air traffic control (ATC) and allied foreign ATC operations centers.

Technical specifications

Availability	Up to 99.9999% – hot-pluggable interfaces, boards and active cooling components
Configuration	Zero downtime for configuration changes
Power supply	Redundant: 110/240 VAC and/or 24 VDC
Standards compliance	ED-137, ED-153 SWAL3
Voice codecs	G.711 A-law and μ -law, G.729
Radio interfaces	IP (ED-137), 4w E&M, 4w contact, 4w inband
Phone interfaces	IP (ED-137), ATS-QSIG, 2Mbit QSIG, ISDN, MFC-R2, MFC N5, LB, LCEN, VCX-QSIG, FXO, FXS, E1 CAS, VCX-QSIG
Data interfaces	IP, RS232/RS422 synchronous (2.4 – 512 kbps) and asynchronous (50 bps – 115.2 kbps), X.21, V.35, EIA-530
Recording interfaces	4wire, E1, RTSP, ED-137
Others	SSH, SNMPv2 and SNMPv3

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