

Use Case

Advanced Monitoring for Private Networks and Cellular Systems for System Integrators with XEdge

At the edge of the network, where reliability and performance are paramount, VIAVI offers XEdge, a groundbreaking solution designed to revolutionize service level agreement (SLA) monitoring. By leveraging advanced edge computing and AI technologies, XEdge provides businesses with the tools to ensure network services meet or exceed agreed-upon standards, all while simplifying the complexities traditionally associated with radio network management.



A Comprehensive Mobile Network Monitoring Solution

XEdge provides a comprehensive monitoring solution for system integrators, enabling the deployment and management of Private Network systems, including 5G/LTE, Traditional and Open RAN. Tailored for industries such as manufacturing, telecom, retail, transportation, protected areas and more, XEdge excels in delivering detailed network insights and analytics, focusing purely on monitoring, alarming, and triggering actions based on network performance.

XEdge offers several key features for system integrators:

- **Automated SLA Monitoring:** XEdge ensures that network services consistently meet performance standards, which is crucial for maintaining client trust and network reliability. By automatically monitoring SLAs, system integrators can proactively address any deviations and guarantee the highest level of service quality.
- **Real-Time Analytics and Edge Intelligence:** XEdge provides data-driven insights and leverages edge computing to enable improved network decision-making and performance optimization. With real-time analytics, system integrators can quickly identify trends, pinpoint issues, and make informed decisions to enhance network efficiency and user experience.



- **Comprehensive Drive and Walk Testing:** XEdge facilitates extensive network testing, ensuring that coverage meets the specific demands of various industry environments. By conducting thorough drive and walk tests, system integrators can verify network performance, identify coverage gaps, and optimize network configurations to meet the unique requirements of each client.
- **Advanced Security and Control:** XEdge offers advanced security features for monitoring network infrastructure, safeguarding against industry-specific threats. With granular control over monitoring parameters and access rights, system integrators can ensure the highest level of security and compliance for their clients' networks.
- **Continuous and Regular Network Testing:** XEdge supports continuous and regular network tests for all mobile operators simultaneously. This feature allows system integrators to proactively monitor network performance, identify potential issues, and ensure optimal service quality across multiple operators. By regularly testing the network, system integrators can maintain a high level of network reliability and quickly address any performance degradation.

Enhanced Network Visibility

XEdge empowers system integrators with advanced drive and walk testing capabilities, allowing for thorough network assessments and ensuring optimal coverage and performance across various environments. By simulating user experiences and measuring key network parameters, XEdge provides invaluable data to improve network reliability, efficiency, and user satisfaction. These features enable system integrators to proactively identify and resolve potential issues, ensuring a seamless experience for end-users.

Flexible Deployment Options and Comprehensive Management

XEdge offers system integrators the flexibility to adapt to any client's network infrastructure, supporting both fully on-premises deployments and remote management. This versatility ensures optimal performance and reliability, enabling effective monitoring and oversight of complex network landscapes across different industries. With XEdge, system integrators can efficiently manage multiple client networks from a centralized platform, streamlining operations and reducing management complexity.

Cost-Effective Monitoring without Connectivity Overhead

As a dedicated monitoring solution, XEdge delivers cost-effective network analysis. This approach allows system integrators to provide value-driven services to their clients, optimizing network performance and enhancing security without significant capital investment. XEdge enables system integrators to offer a lean and efficient solution that maximizes ROI for their clients.

Seamless Integration and Automation through REST API

XEDGE seamlessly integrates into existing systems using its intuitive REST API, enabling robust control, automatic triggering, and intelligent alarming capabilities. This integration ensures proactive network management, allowing system integrators to quickly detect and respond to network anomalies, minimizing downtime and maintaining operational stability. With XEdge, system integrators can automate key monitoring processes, freeing up valuable resources to focus on delivering exceptional service to their clients.

Your Strategic Partner in Network Monitoring Innovation

By partnering with VIAVI using XEdge, system integrators gain a strategic advantage in network monitoring, equipped with powerful tools to analyze, optimize, and secure network operations across multiple sectors. The combination of detailed analytics, drive and walk testing functionalities, and a pure focus on monitoring makes XEdge an indispensable solution for advanced network management. With XEdge, system integrators can differentiate their offerings, deliver exceptional value to their clients, and stay ahead in the rapidly evolving landscape of network monitoring.

Discover the full potential of XEdge for your network monitoring solutions. Contact us today to explore how our advanced monitoring system can enhance your service offerings, ensuring high performance, reliability, and security for your clients' network infrastructures. Our expert team is ready to support you in integrating XEdge into your portfolio, providing the tools and knowledge you need to succeed in delivering cutting-edge network monitoring services. Together, we can revolutionize the way networks are monitored and managed across industries.



Contact Us **+1 844 GO VIAVI**
(+1 844 468 4284)

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visit [viavisolutions.com/contact](https://www.viavisolutions.com/contact)

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