

# XEdge

## Multi-carrier RF probe for continuous network testing and analysis

Empower connectivity across every mobile network environment with the premier solution for edge network intelligence and SLA monitoring

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.

XEdge transforms SLA monitoring from a complex, resource-intensive task to a streamlined, automated process. By minimizing network downtime and ensuring SLA compliance, XEdge not only reduces operational costs but also enhances overall network performance, leading to improved business outcomes and customer satisfaction.

The beauty of XEdge lies in its simplicity. Designed as an unattended device, it requires no daily management or network expertise, making it an ideal solution for businesses of all sizes. With XEdge, users can enjoy peace of mind knowing their networks are continuously monitored without the need for constant oversight.

XEdge includes the XEdge Controller for enhanced private 5G monitoring and includes a powerful suite of capabilities, setting a new benchmark for network performance and reliability. Capabilities include automated SLA monitoring, real-time analytics, edge network intelligence, a user-friendly interface, historical data, and comprehensive security.



### Benefits

- Privacy: each customer has a unique controller to manage its XEdge devices
- "Single pane of glass" functionality
- Centralized management and control
- Data privacy and confidentiality
- Ease-of-deployment and lifecycle management

### Features

- Day 0, 1, and 2 operations for 5G deployment and monitoring
- Geo-fencing and indoor analytics
- Wireless network insights
- Walk test for RF and speed tests (up to 10 Gbps)
- ML-based analytics
- Coverage reports for RF, data rates, and more
- Drive tests and walk tests with automated reporting
  - Start by Triggers and remote commands
  - Data and control integration with 3rd party systems

## Example Use Cases

XEdge excels in a wide range of edge network environments. Use cases include:

**Mobile networks:** operators can continuously monitor and optimize edge network performance across regions, reducing outages and ensuring compliance with SLA metrics.

**Private 5G networks:** the management of private 5G network SLAs is simplified in various settings such as smart campuses or industrial facilities, ensuring high-speed, low-latency communications that drive innovation and efficiency.

**Healthcare:** life-saving devices and telemedicine services are always operational thanks to continuous network monitoring, significantly reducing downtime and enhancing patient care.

**Manufacturing:** network performance can be monitored in real-time to maintain critical production line automation, reducing costly interruptions and boosting operational efficiency.

**Retail and customer experience:** in-store connectivity can be managed to meet expected standards, enhancing customer satisfaction and engagement with reliable network services.

**Correctional facilities:** in prison settings, users can prevent unauthorized mobile network access and ensure security and regulatory compliance. The system continuously monitors and controls the network environment, instantly detecting and alerting

XEdge offers robust and reliable design that is engineered for easy integration into existing network infrastructures and built to support the ever-evolving landscape of network technologies. In addition, you can embark on your XEdge journey with confidence by leveraging an expert team at VIAVI that provides end-to-end support, from initial setup to ongoing maintenance, ensuring your network remains at peak performance.

Revolutionize your network performance and SLA monitoring with XEdge. Contact us today to schedule a demonstration and ensure your network services are always in compliance with SLA standards while operating at maximum efficiency.



Walk test mapping using XEdge

## General Specifications

<b>Interfaces</b>	
WiFi	x2
Cellular	x4
Ethernet	x1
Antenna-Cell	x16
USB	x2
USB C	x1
<b>Remote Monitoring</b>	
Web-based User Interface	
<b>Power</b>	
Connector	Rectangular DC Jack
External DC Input	19 VDC
Power Consumption	75.3 Watts
<b>Dimensions</b>	
Length	322.33 mm (12.69 in)
Width	162 mm (6.38 in)
Height	359.6 mm (14.17 in)
Weight	4 kg (8.81849 lbs.)
<b>Capacity</b>	
Radio	x4
<b>Data Rate</b>	
Cellular	2.4 Gbps per radio
	Throughput 10 Gbps
Ethernet	1Gbps
WiFi	a/b/g/n/ac
<b>Compliance</b>	
FCC Part 15 Compliant	
IC and CE Compliant	
<b>RF Specifications</b>	
Output Power	UE Class 3 (23 dBm); according to 3GPP TS 36.521-1
Antenna Type	LTE/5G High-Performance

General Specifications continued

Frequencies/Bands		
5G	5G NR NSA	n1/n2/n3/n5/n7/n8/n12/n13/n14/ n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79
	5G NR SA	n1/n2/n3/n5/n7/n8/n12/n13/n14/n18/n20/n25/n26/n28/n29/n30/n38/n40/n41/n48/n66/n70/n71/n75/n76/n77/n78/n79
LTE	LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B66/B71
	LTE-TDD	B34/B38/B39/B40/B41/B42/B43/B48
	LAA	B46 (only support 2 × 2 MIMO)

Quality Standards

Every XEdge device is designed to surpass performance standards required for wireless monitoring products.

Technical Support

Professional training and technical support are available to guarantee the best user experience. Contact your sales representative for more information.

Ordering Information

Order Number	Oracle Item Number	Item Description
XEDGE-FAMILY	22179185	XEDGE-FAMILY; XEdge Family Configurator
NXE-DEVICE-1M	22175018	NXE-DEVICE-1M; NITRO XEdge Device; 1 Radio
NXE-DEVICE-2M	22175019	NXE-DEVICE-2M; NITRO XEdge Device; 2 Radios
NXE-DEVICE-4M	22175020	NXE-DEVICE-4M; NITRO XEdge Device; 4 Radios
NXE-ANT-CELL	22175079	NXE-ANT-CELL; Cellular Stick Antenna



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