VIAVI
VIAVI Solutions

XEdge

Monitoring connectivity for devices using private networks and WiFi, anywhere, anytime, has never been simpler or more affordable.

Introducing XEdge

Private and WiFi networks are an important part of everyday life, stretching across all areas; in offices, stadiums, factories, remote sites, airports, and secure zones, to name just a few.

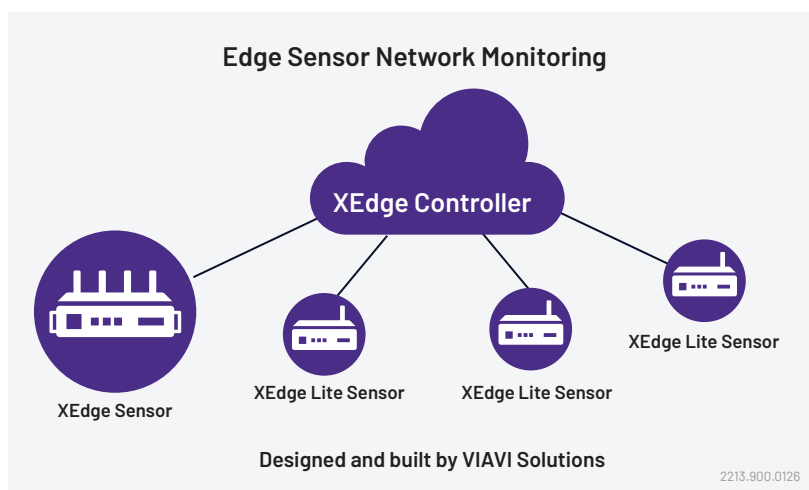Hundreds—even thousands—of devices all relying on consistent, high-performance connectivity.

And customers expect seamless service, operators demand SLA compliance, and regulators require audit-ready proof.

That's why we built XEdge, an intelligent platform that brings edge testing and monitoring into a new era.

XEdge gives organizations running 4G and 5G business critical private networks and WiFi, the tools to test and continuously monitor device connectivity at a very low cost.
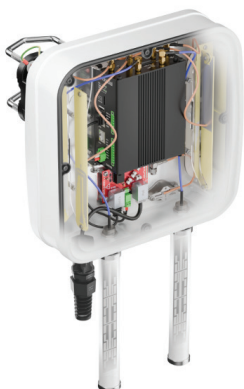
Key Features

- An unattended system that requires minimal daily management and no specialized network expertise
- Affordable and easy to install
- Remote control and automated monitoring 24/7
- Combines advanced edge computing, centralized cloud dashboard, and artificial intelligence (AI) analytics
- Customizable reporting with web-based dashboards
- Conduct continuous network monitoring
- Use drive and walk tests for real-time active data collection
- The easy way to report SLA compliance
- Scalable to grow with your needs
- Suitable for multiple sites/ multitenancy

Edge Sensor Network Monitoring

XEdge Controller

XEdge Sensor

XEdge Lite Sensor

XEdge Lite Sensor

XEdge Lite Sensor

Designed and built by VIAVI Solutions

2213.900.0126

The XEdge Sensors

The sensors (XEdge and XEdge Lite) are designed for use with LTE and 5G technology and the FR1 band.

Both support the same KPIs, applications and testing scenarios, and are operated using the XEdge Controller.

XEdge v2

- Multi-carrier, high-capacity unit for comprehensive monitoring
- Larger sized sensor unit
- Accommodates 1, 2 or 4 Sim cards/ modems
- Ideal for monitoring, walk tests and drive tests
- Suitable for indoors only

XEdge Lite

- Compact, cost-efficient sensor for dense or distributed placement
- Lightweight unit
- Accommodates 2 sim card/ 1 modem
- Ideal for monitoring and drive tests
- Suitable for indoors and outdoors (IP67)

Sensor General Specifications

Frequencies/Bands			
		XEdge v2	**XEdge Lite**
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/n7 5/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	
	LAA	B46 (only support 2 × 2 MIMO)	
	LTE-TDD	B34/B38/B39/B40/B41/B42/B43/B48	
GNSS		GPS L1, Galileo E1, GLONASS G1, BDS B1I, SBAS L1: 1559 MHz to 1610 MHz BDS B2a, GPS L5, Galileo E5a: 1164 MHz to 1215 MHz	

Interfaces		
	XEdge v2	**XEdge Lite**
WiFi	X2 (X1 (802.11acWiFi (optional) supporting AP and Client modes)	X1 (802.11acWiFi (optional))supporting AP and Client modes)
Cellular	X4 (4G/5G)	X1 (4G/5G)
Ethernet	X1 (1 Gbps)	X1 (1 Gbps)
Antenna-Cell	X16	X4
Antenna-GNSS	-	X1
USB 3.0		X1
USB x2	X2	
USB C x1	X1	
Remote Monitoring		
Format	Web-based User Interface	
Remote Monitoring		
Format	Web-based User Interface	
Dimensions		
Length	322.33 mm (12.69 in)	49 mm
Width	162 mm (6.38 in)	105 mm
Height	359.6 mm (14.17 in)	128 mm
Weight	4 kg (8.81849 lbs.)	567 grams
Capacity		
Cellular	2.4 Gbps per radioThroughput 10 Gbps	2.4 Gbps
Ethernet	1 Gbps	
WiFi	a/b/g/n/ac	
Data Rate		
Radio	X4	X1
RF Specifications		
Output Power	UE Class 3 (23 dBm); according to	
Antenna Type	3GPP TS 36.521-1	
Compliance		
IC and CE Compliant	Yes	
CE, UK		Yes
FCC	FCC Part 15 Compliant	Ongoing
IP30/ IP67		IP30 compliance for Indoor (IP67 options available with external enclosure)

Quality Standards

Every XEdge sensor 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.