

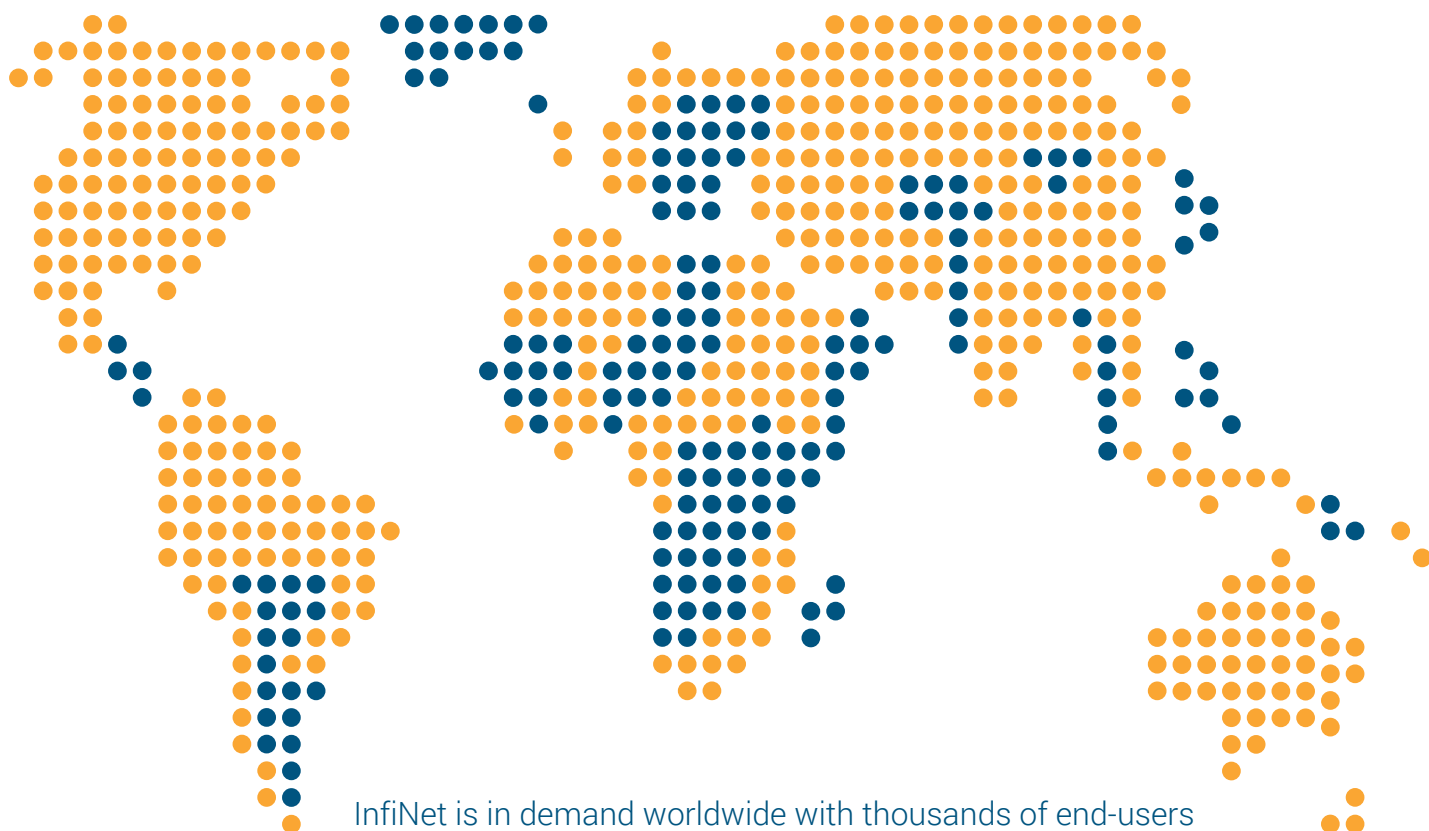


CARRIER-CLASS FIXED BROADBAND WIRELESS SOLUTIONS

About InfiNet

InfiNet Wireless is a leading manufacturer of fixed broadband wireless connectivity and provides a wide range of carrier-class infrastructures.

Established in 1993, we are one of the world's largest privately owned Fixed Broadband Wireless Access (FBWA) R&D and manufacturing companies and have fast become the preferred choice of service providers who require uncompromising connectivity.



InfiNet is in demand worldwide with thousands of end-users and over **500,000** units deployed in **over 100** countries, across all **5** continents.



PERFORMANCE

High-capacity speeds of 500 Mbps and coverage ranges of up to 100 km, enable InfiNet to create industry-leading wireless infrastructures for fully-fledged triple-play support, in both urban and rural networks. InfiNet offers the highest Quality of Service (QoS) and performance available in the marketplace today.



FLEXIBILITY

Our topology-agnostic, multiple-frequency and universal wireless platforms can be tailored to individual customer requirements to give them exactly the solution they need, well within their budgets.



INTEGRATION

Our wireless solutions are easily integrated into any existing network infrastructure (including MPLS), as we have the industry's richest set of networking features and protocols.



RELIABILITY

Our various solutions have withstood the most challenging environmental conditions across all five continents, with many still in operation even after 15 years of continuous use. InfiNet can proudly claim that it makes the most robust solutions in the high capacity wireless marketplace.



OPTIMISATION OF CAPITAL COSTS

InfiNet's innovative solutions enable the deployment of high-performance infrastructures with the minimum number of network elements, therefore reducing total cost of ownership.

Target Market Sectors

OPERATORS AND INTERNET SERVICE PROVIDERS

SERVICES:

- GSM/3G/4G high-capacity backhaul
- WISP infrastructure backhaul and internet access for remote locations
- Rural/Suburban for last mile access
- Cost-effective alternatives to legacy microwave links
- NLOS and nLOS configurations
- Reliable backup for fibre lines, high-speed FSO or millimetre-wave links

PUBLIC SAFETY

SERVICES:

- Video surveillance solutions
- Intelligent Traffic Management systems
- Emergency and medical services
- Border management and control

ENERGY

SERVICES:

- Connectivity for remote and nomadic units
- Seamless integration with existing platforms
- Increase productivity and improve cost savings
- Operating in the harshest climates

TRANSPORT AND LOGISTICS

SERVICES:

- Reliable communication between train stations
- Automated management of crossings along train routes
- Remote management of fixed and rolling assets

ENTERPRISE

SERVICES:

- High-Speed LAN or WAN connectivity for corporate networks
- Remote site connectivity for infrastructure monitoring and management
- Triple play applications

Point-to-Point Solutions



This family of solutions are available for unlicensed and licensed bands from 3.1 to 6.4 GHz and offer the highest throughputs in the marketplace reaching up to 500 Mbps. They can operate in both LOS and NLOS conditions.

InfiLINK XG is a record-breaking, innovative point-to-point solution in the sub-7 GHz frequency band. Reaching a peak of 500 Mbps of net throughput in 40 MHz spectrum, and more than 130 Mbps in just 10 MHz, it is the fastest point-to-point system available on the market today.

KEY FEATURES AND HIGHLIGHTS

- Performance: up to 500 Mbps
- Up to 100 km distance without repeaters
- High gain integrated antennas from 19 dBi to 28 dBi
- Unlimited number of hops
- Extended QoS support
- Flexible frequency planning
- Extended temperature range from -55 to + 60°C at 100% humidity (for InfiLINK 2x2)
- TDD synchronisation support
- LOS/nLOS/NLOS connectivity

APPLICATIONS

- GSM /3G/4G/LTE high-capacity backhaul
- Wireless ISP infrastructure backhaul and internet access for remote locations
- Fully-fledged Fibre/FSO /Millimetre-wave systems replacement, extension or backup
- LOS and NLOS backhaul connectivity for macro- and small-cell base stations
- Video surveillance infrastructure over medium and long distances
- Rural/Suburban last mile access



Our family of Point-to-Multipoint solutions are also available in frequency bands from 3.1 to 6.4 GHz and are based on innovative high-capacity base stations and subscriber terminals, reaching up to 240 Mbps and 180 Mbps respectively.

KEY FEATURES AND HIGHLIGHTS

- Base station sector distance coverage: up to 36km
- Up to 240 Mbps base station sector performance in just 40 MHz of spectrum, reducing capital expenditure
- Subscriber terminal performance: up to 180 Mbps
- TDD synchronisation
- Advanced QoS features, offering a robust and reliable solution
- Advanced network features at layers 2, 3 and 4
- Interference mitigation toolkit
- Extended temperature range from -55 to + 60°C at 100% humidity

APPLICATIONS

- Last mile access for Wireless ISPs and service providers
- High-Speed LAN or WAN corporate networks
- Wireless infrastructure for video surveillance and public safety networks
- High-density WISP access network
- Long-range enterprise network
- Rural low-density WISP coverage

Project Examples



Telco

METRONET
United Kingdom

Providing Internet access to a wide range of customers such as corporate users, security companies and private individuals.



Telco

DU
United Arab Emirates

Providing higher capacity to cater for fast growing mobile and fixed data usage, as well as a reliable backbone to carry multicast IPTV services, both in dense urban areas and in tough weather conditions on long rural hops.



Telco

BEELINE
(OJSC VIMPELCOM)
Russia

Provision of reliable fixed connectivity to the Internet for a large number of corporate clients. Hundreds of base stations and thousands of various subscriber terminal models deployed.



Oil &
Gas

TNK-BP
Russia

Robust and sustainable connectivity in challenging weather conditions ranging from -50 to +60°C. A combination of extended InfiLINK 2x2 point-to-point solutions and InfiMAN 2x2 point-to-multipoint base stations were used to connect all remote terminals in the field.



CCTV

CAIRO
Egypt

Providing the Cairo authorities with a complete Intelligent Traffic Solution based on our wireless platforms.



Mining

EVRAZ KGOK PLANT
Russia

Deploy a network that would link all moving vehicles with various fixed locations across a wide geographical area.



Telco

MADA COMMUNICATIONS *Kuwait*

Deployment of a new infrastructure to replace an outdated WiMAX network, providing increased reliability and coverage.



Telco

ENFORTA *Russia*

Provide multi-megabyte Triple Play and VPN services for data and voice transmission to its customers.



Mining

ANGLO AMERICAN PLATINUM *South Africa*

Connect dozens of mining operations and provide an integrated backhauling solution to a centralised location. Such a network would also be used as redundancy for the incumbent telecoms provider, as well as operate in harsh environments and weather conditions.



CCTV

RIO DE JANEIRO *Brazil*

A scalable and cost effective solution to deliver high-resolution surveillance and imaging services to police and local government bodies, and able to support additional services during the 2014 FIFA World Cup and the 2016 Olympics.



CCTV

PENANG SAFE CITY *Malaysia*

Implementing a system of urban public CCTV, main high-speed links and "last mile" connectivity to transmit real-time video streams from a large number of cameras monitoring all main districts of the city.



CCTV

GEORGIA DEPARTMENT OF TRANSPORTATION *USA*

Consolidation of a state-wide highway control system into one seamless network using wireless links enabling the synchronisation of all signal timings, traffic congestion and improvement of air quality.



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