

PRODUCTS AND SOLUTIONS
AT A GLANCE



Advanced Wireless Infrastructures

Range of Solutions, Products and Applications



Introduction

InfiNet Wireless has earned a reputation as a global manufacturer of innovative and reliable fixed wireless broadband solutions (FBWA).

Continuing with our pioneering breakthroughs, our extensive family of products was designed and optimized for a multiple applications ranging from backhauling voice and data traffic for GSM/3G/LTE and WiMAX operators, Internet Service Providers to mission-critical video surveillance applications for public safety authorities, governments and municipalities.

Solutions

InfiNet Wireless' leading-edge solutions represent more than 20 years of R&D efforts by world-class engineers and developers, who possess extensive experience in the design and field deployment of thousands of wireless networks all over the world. Our technology, while remaining fully market-driven, was one of the first ones to combine scalability with high performance, and today ranks among the most reliable in the wireless industry.

Wireless Backhaul Solutions

- GSM/3G Backhaul
- LTE Backhaul
- WiMAX Backhaul
- WISP Backhauls and Internet POPs

Wireless Video Solutions

- City-wide video surveillance
- Homeland security
- Wireless CCTV network

Wireless Internet Access/VPN Solutions

- WISP access network
- Wireless VPN network
- LAN-to-LAN connectivity

Wireless Voice Transport Solutions

- Voice over IP

Key Markets

Carriers and Mobile Operators

InfiNet Wireless provide various solutions for the challenging requirements of this market segment, ensuring that wireless service providers have the data capacity needed for both today's and tomorrow's growing bandwidth demands. To support the current convergence towards a complete Carrier Ethernet infrastructure, our product architecture utilises switching and routing functionality that combines circuit and data traffic from legacy base stations with native IP traffic. Our next-generation radio solutions have, in effect, removed the "air-interface" bottleneck that existed before.

Corporate and SME Networks

In their most advanced configurations, our solutions are able to provide complete infrastructures that enable organisations of all types and sizes to connect their remote locations to either the headquarters or with each other, ultimately allowing the simultaneous transmission of multi-protocol voice, video, and data across the entire network.

Wireless ISPs and Wireless Operators

Today, dozens of Internet Service Providers (ISP's) in over 35 countries around the world use InfiNet Wireless equipment in their infrastructures to provide reliable transport and last mile access solutions. The largest of these ISP's are located in Russia, China, India, Spain, Italy, the UK, Malaysia, and more recently in the United States.

Video Surveillance and Traffic Management

InfiNet Wireless has years of experience in this growing market and has already supplied high-reliability and secure video surveillance solutions to all corners of the world. In addition to providing reliable transport solutions for video streams to public safety operators, InfiNet Wireless systems have also been deployed in numerous other applications such as traffic signal/traffic light monitoring, highway safety, ANPR (automatic number plate recognition) and road traffic management.

Energy and Natural Resources

Energy and mining companies which own critical and strategic infrastructures very often operate in some of the most remote areas and in the harshest climates of the world. From oil or mineral extraction facilities to refineries and gas processing plants, InfiNet provides complete, robust and reliable solutions which are able to link physical facilities seamlessly wherever they are located, whether in a city centre or in the middle of a remote desert.

Products



InfiNet Wireless is able to provide tailored solutions for all types of applications. Our range of products offer unique and powerful routing and switching capabilities, enabling optimised network design, along with high reliability, scalability and

unsurpassed robustness, whether you are deploying a standalone PTP connection or a comprehensive wireless architecture

Our high-performance solutions operate in both LOS (line-of-sight) and NLOS (non-line-of-sight) environments.

We offer complete solutions that allow service providers to increase efficiency and productivity while not only fitting any budget constraints they may have but also maintaining the expected high standards for performance and quality of service (QoS).

Key Features and Highlights

- Available in 3.4 – 3.7 GHz, 4.6 – 6.0 and 6.0 – 6.4 GHz frequency bands
- Multiple Input - Multiple Output (MIMO 2x2) design based on OFDM technology for NLOS support
- Full support for PTP, PtMP and MESH topologies
- "Pay as you grow" software upgrade to support growing network demands
- Industry-leading 300 Mbps throughput
- Operational distances of up to 80 km (50 miles)
- Gigabit Ethernet port as standard
- Flexible uplink/downlink bandwidth allocation
- LOS (line-of-sight) and NLOS (non-line-of-sight) deployments
- High levels of encryption
- Advanced Quality-of-Service Support
- Reliable and robust design
- Powerful Routing and switching capabilities
- Supports DC power

Customer Benefits of implementing our products

- Low cost entry models
- Better ROI achieved through the use of wider channel sizing and unprecedented radio performance
- Seamless integration into existing infrastructures
- Significant savings on third-party networking equipment
- Extra ROI achieved through the provision of service levels agreements
- Low running costs for servicing and maintenance
- Flexible frequency planning and high spectral efficiency
- Ultra-low latency and jitter, optimal for video and voice transmissions



The InfiNet Difference

InfiNet's innovative product developments are driven 100% by the needs of our customers. We are constantly scanning the hi-tech markets, evaluating new technologies and adopting the latest cutting-edge techniques and components when designing and developing our products.

In a wireless industry that seems to be focusing on conformity to a standard with perpetually shifting goal posts, hype, uncertainty, deployment delay and broad promises that simply can't be delivered today, or be guaranteed tomorrow, our clients are deploying and using the very latest innovative products with the confidence that they will also seamlessly integrate with tomorrow's solutions.

Why InfiNet?

Flexibility and Ease of Integration

- Topology-agnostic, multiple-frequency universal wireless platform
- Seamless integration into any existing infrastructures
- Any topology, any frequency band
- Software-upgradeable capability reduces initial outlay & support costs

Proven Reliability and Robustness

- Thousands of systems across 86+ countries
- Deployed in the world's harshest climates and environments with unrivalled reliability
- Market leader in a number of industry sectors
- Field-proven MIMO technology

Compelling Price/Performance Ratio

- Attractive and highly-competitive entry prices
- Highest price/performance ratio in the industry
- Significantly reduced Capex and whole-life Opex costs of ownership
- Built-in routing & advanced networking eliminate the need for additional infrastructure

Technology Innovation

- Over 20 years of design experience and leadership in emerging markets
- Market-leading RF techniques for longer distances
- First to market with MIMO technology for Broadband Wireless
- Pioneer of Video Surveillance transmission over wireless links



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