# **Getting started with InfiNet Wireless R5000**



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#### Document structure

This document consists of the following chapters:

- "Getting started" This chapter presents the information about this document's purpose and structure
- "System Description" This chapter describes the hardware, accessories and technical specifications of the InfiNet Wireless R5000
- "Installation" This chapter describes the steps to be taken when installing the equipment at the installation sites and installation site requirements
- "Configuration procedure" This chapter includes basic recommendations for primary link configuration, including interfaces configuration and MINT
  protocol usage. Also there is a description of how to perform basic manipulations with device's configuration including its updating, importing and
  exporting
- "Link Configuring" The chapter contains basic recommendations for making preliminary choices and decisions while planning and deploying a wireless network based on InfiNet Wireless Devices. It also describes a set of tools that can help while improving the link quality and statistics gathering
- "Troubleshooting and Recommendations" This chapter presents the actions to be followed when investigating an occured problem and some recommendations.

#### **Abbreviations**

The following abbreviations are used in this document:

- AC Alternating Current
- BOM Bill of Materials
- BS Base Station
- CLI Command Line Interface
- CPE Customer Premises Equipment
- DC Direct Current
- DFS Dynamic Frequency Selection
- ERC Emergence Repair Console
- ETH Ethernet
- FDD Frequency Division Duplexing
- FTP File Transfer Protocol
- FTP cable Foil Twisted Pair cable
- GUI Graphical User Interface
- IDU Indoor Unit
- IP Internet Protocol
- IPIP IP-in-IP Protocol
- LAN Local Area Network
- LED Light Emitting Diode
- LOS Line of Sight
- LPU Lightning Protection Unit

#### **Title**

- MAC Media Access Control
- MIMO Multiple Input Multiple Output
- MINT Mesh Interconnection Networking Technology
- NAT Network Address Translation
- NLOS Non-Line of Sight
- ODU Outdoor Unit
- PoE Power over Ethernet
- PtMP Point to MultiPoint
- PtP Point-to-Point
- QoS Quality of Service
- RF Radio Frequency
- RIP Routing Information Protocol
- SID System Identification Number
- SSL Secure Sockets Layer
- STP Spanning Tree Protocol
- TCP Transmission Control Protocol
- TDD Time Division Duplexing
- TDMA Time Division Multiple Access
- Telnet TrminaL Network

#### **Document marks**



### (!) CAUTION

All caution warnings are marked with a special warning sign. One should pay a great deal of attention to what is written in the Caution section.



All notes are marked with a special note sign. Notes usually contain useful comments or hints to the described section of the document.

## **Additional Information**

Additional information which is not included in this Manual can be found in the following sources:

- InfiNet Wireless R5000 WANFleX OS User Guide
- R5000 Series WEB GUI User Manual
- Our web-site: www.infinetwireless.com
- Our support site: http://sd.infinet.ru.