Title

InfiLINK XG / InfiLINK XG 1000 - Technical User Manual

Successfully pass the free certification exam at IW Academy and become an Infinet Certified Engineer.

To the certification exam

InfiLINK XG / InfiLINK XG 1000 our innovative "Point-to-Point" solution designed with industry-leading throughput and spectral efficiency provides reliable and cost-effective connectivity that is easy to deploy and built to last.

It is a breakthrough solution with innovative technologies offers scalability and high-quality performance. Built on field-proven technology **InfiLINK XG / InfiLINK XG 1000** assures superior performance over long distances and in extremely adverse environments including nLOS and NLOS scenarios.

Available with a wide range of integrated antennas, as well as a connectorized version for use with 3rd party external antennas, the **InfiLINK XG / InfiLINK XG 1000** f amily is the ideal choice for a large array of applications such as backhaul in the telecom market, education, oil and gas, smart cities, video surveillance and public safety. It was designed by InfiNet to meet the exact requirements of the most demanding customers, most complex projects and most challenging environments.

NOTE

Product technical specifications can be obtained from our web site InfiNet Wireless.

We recommend to start with the online course on the IW Academy portal: https://academy.infinetwireless.com/en/online-education/infilink-xg.

Important Notice

Legal Rights

© Copyright 2021 Infinet Wireless. All rights reserved.

The information contained in this document is originated by, proprietary, confidential and owned by Infinet Wireless. No part of this document should be disclosed, reproduced or distributed without the express written permission of Infinet Wireless Ltd.

Infinet Wireless Ltd. reserves the right to change the information contained in this document without prior notice. No part of this document may be considered as a part of any contract or warranty.

Statement of Conditions

Infinet Wireless Ltd. shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance or use of this manual or equipment supplied with it.

Disclaimer

The software is sold on an "AS IS" basis. Infinet Wireless, its affiliates or its licensors make no warranties, whatsoever, whether express or implied, with respect to the software and the accompanying documentation. Infinet Wireless specifically disclaims all implied warranties of merchantability and fitness for a particular purpose and non-infringement with respect to the software. Units of product (including all the software) delivered to purchaser hereunder are not fault_ tolerant and are not designed, manufactured or intended for use or resale in applications where the failure, malfunction or inaccuracy of products carries a risk of death or bodily injury or severe physical or environmental damage (“high risk activities”). High risk activities may include, but are not limited to, use as part of on-line control systems in hazardous environments requiring fail-safe performance, such as in the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control, life support machines, weapons systems or other applications representing a similar degree of potential hazard. Infinet Wireless specifically disclaims any express or implied warranty of fitness for high risk activities.

Indication of the countries

Infinet Wireless equipment has no geographical limitations for selling and can be supplied to any country of the world.

Limitation of Liability

Infinet Wireless shall not be liable to the purchaser or to any third party, for any loss of profits, loss of use, interruption of business or for any indirect, special, incidental, punitive or consequential damages of any kind, whether arising under breach of contract, tort (including negligence), strict liability or otherwise and whether based on this agreement or otherwise, even if advised of the possibility of such damages.

To the extent permitted by applicable law, in no event shall the liability for damages hereunder of Infinet Wireless or its employees or agents exceed the purchase price paid for the product by purchaser, nor shall the aggregate liability for damages to all parties regarding any product exceed the purchase price paid for that product by that party (except in the case of a breach of a party's confidentiality obligations).

About This Manual

This manual provides detailed technical information on the operation of the **InfiLINK XG** and **InfiLINK XG 1000** families models, including system specifications, installation, commissioning, maintenance and troubleshooting.

The document is intended to be used by qualified RF engineers/technicians and IT professionals. Qualified personnel should have skills and experience in the following areas:

- Outdoor/indoor radio equipment installation
- Outdoor wireless networks
- TCP/IP networking protocols
- Safety procedures and instructions for installing antenna equipment
- Professional manage of electrical equipment and accessories
- Safety procedures and instructions for working on towers and heights.

Table of contents

- Getting started with User Manual
- Hardware Description
  - Outdoor Units
  - Power Supply Units
  - Auxiliary Units
  - High-gain External Antennas
- Laboratory pre-configuration
- Installation Procedure
  - Installation Preparations
  - Equipment Positioning
  - Cable Gland Assembly
  - Um Models Deployment
  - Xm Models Deployment
  - Grounding and Lightning Protection
  - Antenna Alignment during Installation
  - Mounting kit
    - MONT-KIT-85 Mounting kit
    - MONT-KIT-85P Mounting kit
- Operation & Administration
  - Unit Access
  - Status
  - Maintenance
  - Settings
    - General
    - Network Access
    - Radio
    - Switch
    - VLAN Switching
    - SNMP section
    - Configuring QoS
    - Configuring per-VLAN 802.1p priority
    - Apply and Try buttons
  - Tools
    - Antenna alignment tool
    - Spectrum Analyzer
    - Instant DFS
- Troubleshooting
  - The wireless link is down (it got lost)
  - No access to the local unit

Title

- Expected capacity is not met
- Errors on the wireless link, throughput fluctuations
- No data is being transferred
- Emergence Repair Console - the management of the unit is lost