LigoWave

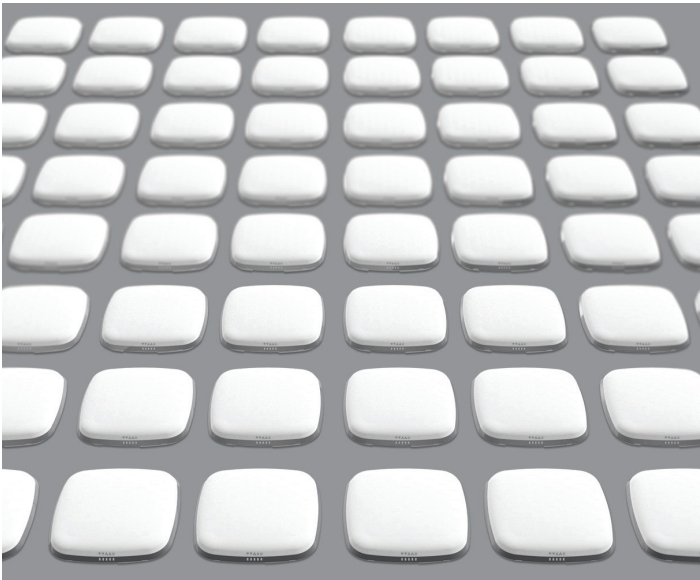# INFINITY CONTROLLER
Professional W-Fi management

Infinity controller is a new software platform to deploy, monitor and manage Infinity series Wi-Fi access points. It is available for two platforms: Linux or VM VirtualBox (Supporting Windows, Mac and Linux operating systems) and Cloud based version hosted by LigoWave as well. Software image is free and available in downloads section. The controller supports unlimited amount of devices (taking into account sufficient hardware resources are available) and is ideal for large networks that can be remotely located across the country and even different continents.

Scalable secure architecture

Infinity controller allows easy scaling of networks by supporting unlimited number of devices. The hardware resources can be upgraded together with expansion. Encrypted communication channel ensures secure sharing of data between the devices and server.

Fast rollout

Auto provisioning support simplifies the configuration and additional devices can be installed or replaced even by unqualified personnel.

Simple monitoring

 Multiple parameters can be supervised including connected client information, throughput per device, CPU load and etc. on the network or individual device, which allows easy monitoring and maintenance.

Everything centralized

Network profiles allow management of devices even in different locations using the same system. Configuration settings are automatically applied to all newly installed

devices, but still leaving an option for individual parameters to be adjusted on each device. Mass firmware upgrade can be performed from a single location. Auto-channel mechanism allows selecting the best channels for operation across the whole network with more RF parameter adjustment features to be added in the future releases.

Features and specifications

Scalable secure architecture

- Manage large number of NFT devices (10k+)
- Encrypted communication channel between the server and devices
- Flexible device search (name, mac address, location, product, ip address)

Responsive design UI

- Web sockets based real-time status updates, notifications etc.
- Tablet and mobile support

User roles

Super admin:	Unique full control account
Admin:	Full write access account
Read-only:	Guest account with read only access

Centralized configuration and upgrade

- Configure devices on network level
- Per device parameter customization
- Automatic configuration for new and replacement devices
- Firmware upgrade

Auto provisioning

- Easy rollout
- Automatic new device discovery
- Automatic configuration
- Plug and play AP replacement.

Centralized wireless channel management

- Auto-channel across network
- Easy channel customization

Statistics collection with history

- Wireless clients
- Net throughput
- Device CPU load
- Device memory usage

Supported OS

- Linux
- VM VirtualBox (Windows, Mac, Linux)

System requirements for 10K devices

CPU:	2.5 GHz quad core CPU
Memory:	10 GB RAM
Storage:	40 GB SSD drive