

The Cigorn Gateway by Raveon is a Linux based application for aggregating, addressing, and managing wireless radio networks with a large number of nodes.

The Cigorn Gateway is exceptionally well suited on large wireless IoT deployments by providing an extensive feature set not common to most narrowband data radio deployments . The Cigorn Master Gateway is the primary point of authentication and control in a data radio WAN system. One Master Gateway can handle huge networks with a very high number of base stations and wireless devices (WD).

All messages are also passed to/from a WD through the Master Gateway, so they may be routed to other sites if required. It also logs all communications activity.

The Master Gateway router table can be configured to route data to/from end-users and WDs as needed in the system. Data can also be routed to multiple end-points so that the GPS tracking data from the system can be sent to many different servers.

The Master Gateway can also perform protocol translation, so if there are certain messages that need to be translated for legacy support, it is easy to implement.

A Master Gateway system may be as small as one single site in a building, to a nation-wide system of hundreds of sites communicating to thousands of wireless devices. To make a diverse network look like a single network, each Master Gateway manages the radios at their site and all of the Base Station Controllers in a system route all messages at their site to the Master Gateway. Many base stations may be connected to a single Master Gateway. The Cigorn Master Gateway provides for:



Cigorn Gateway Features:

- **Intelligent routing to send/receive data messages to the correct wireless devices anywhere in the network.**
- **Translation of protocols.**
- **Monitoring system operation, reporting on performance via Web, command-line, and email.**
- **Allowing for wireless devices to be easily added or removed from the network.**
- **Routing messages to/from the appropriate gateway for each wireless device in the network.**
- **Communicating messages from a user and from the radios.**
- **Providing mechanisms for a system operator to track system usage by Wireless Device and by groups of Wireless Devices.**
- **Telnet, SSH, and Web interface to manage the gateway.**
- **Forwarding wireless data to any number of external applications via telnet connections.**
- **Maintaining a central database of all wireless devices.**

For More Information

For more information about this or any other Raveon product, call in the U.S.A. 1-760-444-5995 or visit us at www.RavTrack.com

Raveon Technologies Corporation

2320 Cousteau Court
Vista, CA 92081
Phone: +1-760-444-5995
Fax: +1-760-444-5997



[WWW.RAVTRACK.COM](http://www.RAVTRACK.COM)



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