

# Precision Smart Network Monitoring and Management

**EkaNet Network Manager** is the highly powerful software package that provides seamless collection, end-to-end transport and secure database storage of all network data within your EkaNet wireless network. Engineered for precision monitoring, Network Manager provides utilities with a graphical view of their entire Smart Network, connects to and communicates with EkaNet Wireless Gateways through standards-based connections, and simultaneously configures, controls and manages all Gateways and EkaNet Meter Nodes.

Optimized for intuitive management and control of the entire Smart Network, EkaNet Network Manager produces meter data reports, enables on-demand meter reads, and securely manages the storage of all data in a central database.

## Key Features

- Configures, controls and manages all Gateways and meter Nodes
- Automatic Smart Network and wireless Node configuration
- Connects to and communicates with Gateways through native IP
- Meter Node status checks
- On-demand meter reads
- Securely manages and stores all data in a central database
- Configures and displays alarms

## Key Benefits

- Manage your utility, not your network
- Smarter information, operations and customer service

## Specifications

### Network

- No limitation on number of Nodes per Gateway
- Full peer-to-peer communication
- Fully self-configuring
- Multiple redundant paths
- No network address management required
- Automatic network acquisition at Power ON
- Automatic time synchronization of all Nodes in the network
- Authentication 1-time session keys & AES encryption

### Application

|                                |  |
|--------------------------------|--|
| Wireless network configuration | Provides setup configuration and management of wireless network                    |
| Wireless node configuration    | Allows selection of data channels, data recording and reporting intervals          |
| User interface                 | Graphical user interface   |
| Node capacity management       | User selectable interval data recording  |
| Communication interfaces       | TCP/IP over SSL  |
| Network maintenance            | Monitor state of meters in network   |
| Security                       | Secure administration with ability to define access to Network Manager and Network |
| Software extensibility         | Extendable to manage gas and water meters and other sensors                        |

### Architecture

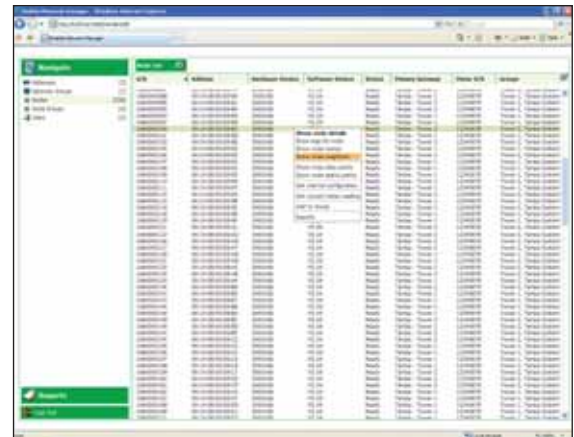
- MySQL database standard
- Redundant automatic gap filling of data
- Configured for mirrored data centers
- JAVA® standalone application

## Operating System

Linux® OS

Windows® 2000/XP/2003

UNIX® OS (SOLARIS, IBM AIX, HP UX)



## About Eka

Eka Systems is a global manufacturer and supplier of Smart Networks that enable utilities to develop the highly scalable, efficient and flexible energy management infrastructure necessary to establish AMI and the Smart Grid.

For more information about our services and this offering, please contact us at 1-877-eka-knows or visit [www.ekasystems.com](http://www.ekasystems.com).



Smart Networks. Smart Grid.™