

# MeshMaster Management System

The MeshMaster Management System provides a powerful and easy to use set of tools for efficient deployment and management of MeshPlus Wireless Networks.

## MeshMaster Management System

The **MeshMaster** Management System utilizes a distributed management architecture with management functions in the network devices, a management server and a management user interface at the operator's workstation. Management functions are integrated across the system while providing each entity with its own independent management component.

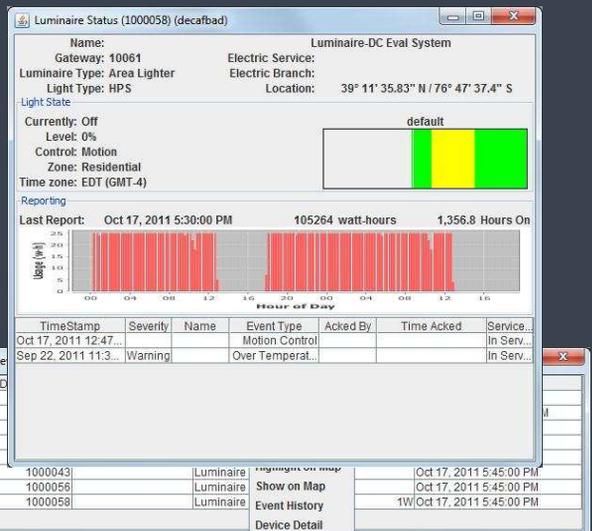
MeshMaster provides tools for both the mesh communications network and the application data.

## Network Visualization

Network Visualization tools locate devices of interest and help users plan site related maintenance. Visualization tools depict the flow of traffic through the mesh and help users understand the mesh robustness and capacity both generally and locally.

## Status/Fault Monitoring

Status tools identify, report and depict anomalies in the network. These include problems like low battery, device tampering, loss of AC power, antenna issues, Water Conservation violations (water AMR) and light over temperature (street lighting control). Current status as well as historical status are available. MeshMaster also provides alarm acknowledgment, alarm claiming and remote alarm notification via text messages and email for proactive fault/alarm management.



Mesh	Nodes	Gateways	Lighting	Reporting	Service
6200					
10051					
10052					
10057					
10061	7			4M+	4M+
10062	6				

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## Configuration

Global configuration from the **MeshMaster** operator interface provides for tuning both mesh behavior and application behavior. Local configuration at a device management function can provide convenient local control such as testing a recently replaced street light by temporarily turning it on.

Configuration can set alarm thresholds, set data reporting intervals, set application schedules (water conservation or lighting behavior), distribute and install new device firmware.

## Reporting

Graphical reports and charts ease the understanding and analysis of large data collections. Reports are available for mesh behaviors such as report delivery and message latency as well as for application interests such as water usage (water AMR) and energy usage (electric AMR/street lighting). As the MeshPlus network is adapted to a new application area, additional report types appropriate for that application are added.

## Customization

Customization for OEM applications can include branding, specialized views, reports, alerts and integration with OEM application software.

