

AMS Wireless SNAP-ON™ Application

- Plan wireless networks and compare them to recommended design practices
- Troubleshoot wireless networks quickly and easily with graphical displays and predictive network diagnostics
- Maintain your wireless networks with reports of key network parameters
- Protect network performance by balancing your wireless network usage and gateway capacity



Using an aerial image of your facility, you can plan your network and check it against industry-recommended practices.

Managing Your Wireless Networks

The AMS Wireless SNAP-ON™ application gives you more power to manage your wireless networks. Plan your networks and validate them against recommended design practices. After your wireless networks are installed, you can graphically view communication and status, allowing you to identify any potential trouble spots.

Plan Your Networks Using Industry Recommended Practices

The AMS Wireless SNAP-ON application allows you to import an image of your plant or process unit for customized planning of your wireless networks. After you define your image, you can drag and drop devices to plot your networks. Large obstructions like tanks and buildings can also be added for more accurate planning.

Once your network layout is complete, the AMS Wireless SNAP-ON application checks your plan against industry

recommended design practices or against custom parameters that you set. Stress test the layout to determine how close network is to design limits. The AMS Wireless SNAP-ON application graphically illustrates deviations so you can easily see where to fortify your networks.

When you have finalized a network design, you can export the image, including device and network information, for your project documentation.

The AMS Wireless SNAP-ON application features a user-friendly interface that simplifies your planning. Useful capabilities include:

- Show network coverage to easily see where *WirelessHART*® exists in your plant.
- Pan and zoom the diagram using a mouse.
- Determine wireless gateway capacity, path stability between devices, and range of each device through visual indicators.
- Quickly view wireless alerts through status icons.



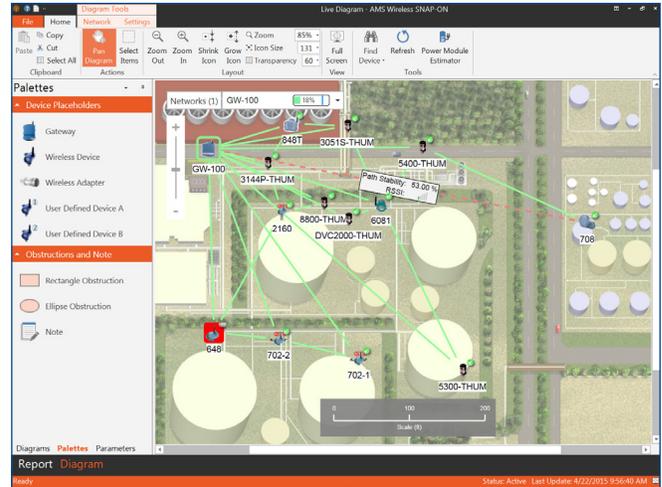
Use the AMS Wireless SNAP-ON application to plan and validate your wireless network against recommended practices to optimize device communication paths.

Optimize Your Wireless Networks

Once your wireless network is installed, the AMS Wireless SNAP-ON application will display the communication relationships between devices. This gives you a comprehensive overview of your self-organizing networks and helps you to identify potential trouble spots such as pinch points.

When using multiple wireless gateways, AMS Wireless SNAP-ON can analyze each network and identify how re-assign devices to other gateways in order to address issues.

See key diagnostic and performance parameters by scrolling over each device and launch directly into AMS Device Manager for additional device details. You can also export the live view as an image to send to an offsite expert.



Use the graphical network communication display to identify potential trouble spots.

Maintain Your Wireless Networks

With the AMS Wireless SNAP-ON application, it is easy to keep your wireless diagnostics organized – even across multiple wireless networks. Customize reports by moving or removing columns and by sorting and filtering. Custom reports allow you to quickly find the information you need.

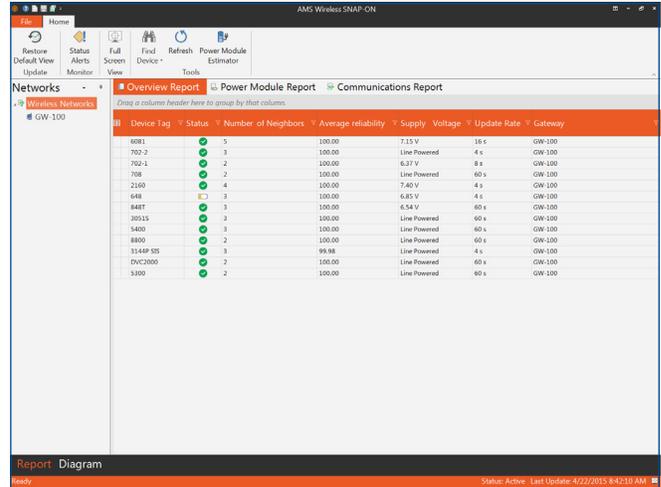
These are a few of the fields you can use in your reports:

- Device tag / Gateway
- Battery Voltage
- Update Rate
- Ambient Temperature
- Status
- Neighbors

If you identify an issue in your network, you can export the report directly to an Excel file and send the work request to the appropriate person or department. With the advanced diagnostics and functionality available in the AMS Wireless SNAP-ON application, maintaining your wireless networks is simple.

Interface Architecture

The AMS Wireless SNAP-ON application communicates through AMS Device Manager and supports Emerson wireless gateways and any devices connected to it. Installation is quick and easy and Emerson’s Smart Wireless Services are available to help you get started.



Customized reporting allows you to streamline maintenance by showing only the information you need.

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