

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

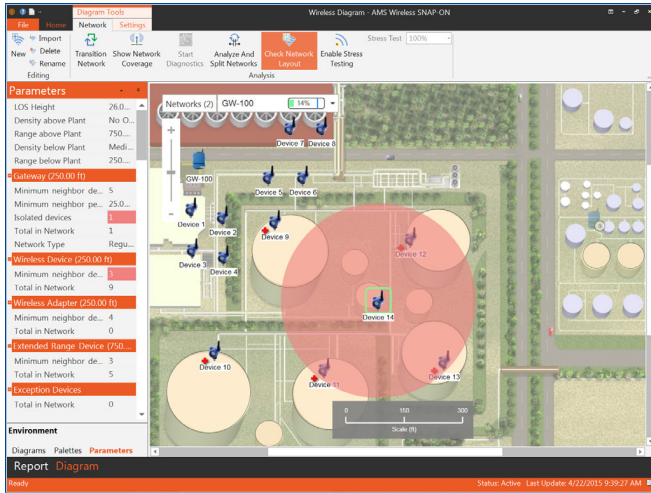
The AMS Wireless SNAP-ON application allows you to import an image of your plant or process unit for customized planning of your wireless networks. After you define your image, you can drag and drop devices to plot your networks. Large obstructions like tanks and buildings can also be added for more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



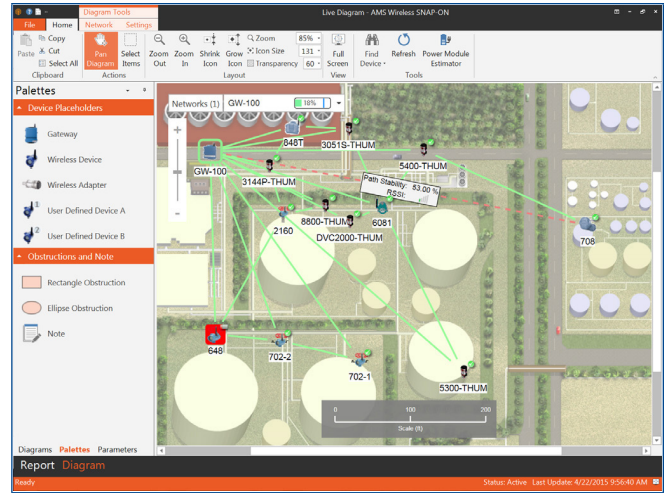
Use the AMS Wireless SNAP-ON™ application to plan and validate your wireless network against recommended practices to optimize device communication paths.

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.

The AMS Wireless SNAP-ON application communicates through AMS Device Manager and supports Emerson wireless gateways and any devices connected to it.

Device Tag	Status	Number of Neighbors	Average reliability	Supply	Voltage	Update Rate	Gateway
6081	●	5	100.00	7.15 V	16 s	GW-100	
702-2	●	3	100.00	Line Powered	4 s	GW-100	
702-1	●	2	100.00	6.37 V	8 s	GW-100	
708	●	2	100.00	Line Powered	60 s	GW-100	
2160	●	4	100.00	7.40 V	4 s	GW-100	
648	■	3	100.00	6.85 V	4 s	GW-100	
848T	●	3	100.00	6.54 V	60 s	GW-100	
3051S	●	3	100.00	Line Powered	60 s	GW-100	
5400	●	3	100.00	Line Powered	60 s	GW-100	
8800	●	2	100.00	Line Powered	60 s	GW-100	
3144P SIS	●	3	99.98	Line Powered	4 s	GW-100	
DVC2000	●	2	100.00	Line Powered	60 s	GW-100	
5300	●	2	100.00	Line Powered	60 s	GW-100	

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

Ordering Information

Description	Part Number
AMS Wireless SNAP-ON Application	AW7082WGxxx, where xxx refers to the number of wireless gateways
AMS Wireless SNAP-ON Scaleup	AW7082WGPx

©2023, Emerson. All rights reserved.

The Emerson logo is a trademark and service mark of Emerson Electric Co. The AMS logo is a mark of one of the Emerson family of companies. All other marks are the property of their respective owners.

The contents of this publication are presented for informational purposes only, and while diligent efforts were made to ensure their accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. All sales are governed by our terms and conditions, which are available on request. We reserve the right to modify or improve the designs or specifications of our products at any time without notice.

Contact Us
www.emerson.com/contactus