

N-Wave Managed Local Area Networks (LAN)

Overview

N-Wave offers the **Managed Local Area Networks (LAN)** service to provide full LAN management down to the access port for customers at large, medium, small and micro-sized sites. The service uses standardized hardware, software and network design models to reduce complexity, ensure compatibility among network components, simplify troubleshooting and improve security posture.

N-Wave is able to build reliable, scalable and high-performance switching networks - without compromising network simplicity and ease of management. With the ability to securely converge multiple entities and services onto a single network infrastructure, N-Wave can also reduce labor, maintenance and equipment costs while improving the service for all.

Service Benefits

- Robust, centrally managed infrastructure
- Procurement, configuration, management and patching of LAN switches
- Multiple design options varying in size, complexity and cost to suit unique needs
- Service uses a three-tier hierarchical network model consisting of core, distribution and access layers, with an option to collapse the model for smaller sites
- Switching supports full PoE+, eliminating the need to run a separate power infrastructure to support Power over Ethernet
- Opportunities to free up rack space, lower power and cooling needs, and reduce management overhead



65 Managed LAN deployments
6 NOAA Line Offices use this service
415+ switches deployed

- Single point-of-entry through N-Wave's Service Desk for 24x7 Tier 1 support
- Expert troubleshooting from a centrally managed and geographically dispersed team of N-Wave Tier 2 and 3 network engineers
- Robust configuration management, monitoring, alerting and diagnostic tools, with end-to-end visibility for troubleshooting
- Reduced scope of customer's Assessment & Authorization, with the FISMA boundary existing at the access port



For more information about how **N-Wave Managed LAN** can meet your needs, submit a [**New Service Request**](#).

You can also visit the N-Wave website:
[**nwave.noaa.gov**](https://nwave.noaa.gov)