Ventus
Global Network Solutions

Wi-Fi With The Power of Ventus Managed Services

Ventus Managed Network-as-a-Service (NaaS) is an end-to-end, fully managed network solution that eliminates the strain on a business' IT resources. With Managed NaaS for Wi-Fi, Ventus delivers fast, reliable, and secure Wi-Fi networks with monitoring and lifecycle support, helping businesses empower employees and meet customer expectations.

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Enterprise Managed Services for Wi-Fi

WAN-Level Management for LAN

Ventus Managed NaaS for Wi-Fi was developed to bring our high standards for wide area networking (WAN) to the LAN sphere, including superior connectivity, security, reliability, and customer service. As a result, our Wi-Fi solution offers easy customer engagement, zero-touch deployment, superior coverage, and 24x7 technical support.

Ventus maintains these high standards for every wireless network we deploy. By managing all of the critical networking details like installation, monitoring, and support, Ventus helps ensure your end customers experience secure, reliable connectivity when it matters most. The solution also provides enterprise-class features including multiple levels of administration access, RF management, device management, and splash page marketing tools. No configuration is required on the access points themselves: all changes are done remotely by Ventus dedicated Wi-Fi specialists.

Managed Wi-Fi helps businesses optimize IT resources and improve customer satisfaction.

Features:

- RF predictive survey mapping
- Installation project management
- SSID set-up for public customer & private employee networks
- Manage white and black lists
- Source gateway network (tying into existing or installing new)
- Rogue Access Point reporting
- 24x7 technical support center
- Fully editable splash pages
- Set up user authentication & credit card/Paypal payment
- Redirect users to any web page on login
- And much more

Defining Wi-Fi Terminology

Wireless Network: Also known as Wi-Fi, this represents a local-area network (LAN) that supplies users with mobile access to the internet.

Bandwidth: A network's capacity to transfer data including websites and browsers, social media, apps, voice calls, or streaming video. This is measured in megabits/second (Mbps).

Gateway: The type of connectivity a network utilizes (i.e. DSL, cable, cellular, Ethernet, MPLS, etc.).

Access Point: A device that broadcasts the wireless network to a pre-defined coverage area, affording users access to either a Public (open) or Private (secure) Network.

Public (open) Network: A network that offers internet access to anyone, without restrictions.

Private (secure) Network: A network with established restrictions and rules that limit access to a defined group of people.

SSID: A naming convention for identifying a wireless network which lays out specific, assigned parameters that allow for multiple wireless networks to be provided utilizing the same access point.

Wireless Network Solution Overview

Bandwidth Needs

Ventus will determine the appropriate gateway for your wireless network. If you are not using an existing office LAN, Ventus will select and install a connection utilizing DSL, cable, cellular, Ethernet, or MPLS. Ventus assesses bandwidth needs, including download and upload speed requirements. Your specific needs will likely depend on variables such as network type, number of simultaneous users, and user activity. The greatest bandwidth demand often comes from streaming video services, video chat services, and automatic backup and file syncing systems.

A small number of users sharing files or streaming video can quickly use up all available bandwidth. Ventus will outfit your network to properly mitigate such challenges with per-user bandwidth limits, including the ability to block individual users.

Access Points

Here is a brief overview of the 4 most popular access points, each designed to meet specific wireless network needs.

	SMALL	LARGE	HIGH DENSITY	OUTDOOR
Usage	Performance-oriented WLAN	General purpose 802.11ac WAN	Highest performance & capacity (802.11ac Wave2) WLAN	Rugged/Outdoor WLAN
Applications	Small Branches, Enterprise, Campus, Healthcare	Large Branches, Retail Stores, Restaurants, High-Density Campus Enterprise	Large Retail Environments, Highest-Density Campus, Enterprise	Outdoor Campuses, Industrial
Performance Features	Third radio dedicated to security and RF management Priority voice Power save (802.11e/WMM) Hardware-accelerated encryption High-density support, band steering	Third radio dedicated to security and RF management Priority voice Power save (802.11e/WMM) Hardware-accelerated encryption High-density support, band steering	Up to 256-QAM on 2.4. GHz & 5GHz Third radio dedicated to security and RF management Priority voice Power save (802.11e/WMM) Hardware-accelerated encryption High-density support, band steering	Priority voice Hardware-accelerated encryption

Designing the Appropriate Wi-Fi Network

A standard small to mid-size business can cover an entire office with one access point. For larger businesses (multi-storied or larger than 4,000 sq. ft.), a trained engineer will use a floor plan with a predictive RF survey mapping tool to ensure both proper placement and the number of access points required for optimum coverage and reliability. All designs account for area size, number of walls, number of floors, material of walls and floors, existing networks or RF interference, and the estimated number of users that will be on the network at the same time.

The Power of Ventus Managed Services

Ventus Managed NaaS is an end-to-end solution. Ventus NaaS solutions help businesses achieve networking and integration goals without overloading internal IT resources. Ventus' knowledgeable and responsive networking experts and dedicated client care teams handle all the critical details of network management, including engineering, hardware provisioning, installation & maintenance, Wi-Fi network security, monitoring, and 24x7 technical support.

Ventus Managed NaaS for Wi-Fi offers secure, reliable Wi-Fi with insightful analytics capabilities, helping you provide shoppers with a next generation Wi-Fi environment that unites the mobile and in-store spheres.

A Complete Solution

- 100% managed by Ventus (NaaS)
- Full visibility across entire chain/store portfolio
- Improved customer engagement
- Integrated online/in-store retail experience

- Increased customer dwell times
- Insightful shopping behavior & trend analytics
- Zero-touch deployment & fast installation
- PCI DSS Level 1 certified cloud network platform

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