

# CenturyLink Multimode Wireless LAN Service

## Networkx Service Overview

### Extend your Virtual Reach—Cost Effectively.

CenturyLink's Multimode Wireless Local Area Network Services (MWLANS) consist of a public network subscription service and a private hotspot network solution for serving private Agency locations. CenturyLink's public network subscription service will allow Agency users to securely access the Internet and Agency networks from outside Agency firewalls from public hotspots worldwide.

### Features

CenturyLink's MWLANS provide a comprehensive listing of features including but not limited to the following:

- Wireless Access in Packet Mode - CenturyLink's MWLANS will support any 802.11b/g compliant device, including Personal Computer Memory Card International Association (PCMCIA) enabled computer notebooks, laptops, and PDAs. Access coverage includes wireless LAN hotspots such as hotels, airports, convention/conference centers, or other public establishments.
- Authenticated Access – CenturyLink provides access only after authentication by user-ID and password.
- Dynamic and Static IP Addressing - CenturyLink can provide static IP space to Agencies that require it. Our MWLANS has a DHCP function built into our network to assign dynamic IP addresses.
- Domain Name Service - CenturyLink's MWLANS provide Internet users with DNS resolution functionality from our DNS servers associated with Internet Protocol Service.
- Roaming Agreements - CenturyLink's hotspot Operational Support System (OSS) provides roaming services that manage roaming agreements via integrated clearing, settlement, and reconciliation capabilities with other major wireless Internet Service Providers.
- Private MWLANS Network - CenturyLink's MWLANS include the ability to deploy private hotspots at Government locations as required by each individual Agency. Each build is custom and will be defined during the statement of work developed for the Agency.
- Wireless NICs - CenturyLink's MWLANS include PCMCIA cards that can be plugged into laptops, making them WiFi-enabled. Our solution will also support any 802.11a/b/g compliant device.
- Support for 802.11e - CenturyLink's MWLANS can be upgraded to comply with 802.11e standards when these standards become available.

**Geographic Availability:** CenturyLink's MWLANS are available both domestically and internationally within existing hotspots.

### Benefits

- IP mobility – CenturyLink's MWLANS allow Agency users mobility between wired and wireless IP networks and between public and private networks without having to disrupt connections. CenturyLink's seamless IP mobility and roaming solution is already deployed in a variety of public and private networks.
- Device-agnostic communication support – Agency users can access MWLANS with a single subscriber profile from many locations using many types of devices, such as telephone, mobile phone, PDA, or notebook PC.
- Increased overall network availability and capacity – CenturyLink's MWLANS uses a Dual-band Radio Wireless Mesh Technology. This meshed backhaul technology, allows alternate routing of traffic around failed or congested nodes, and provides lower latency and low jitter for supporting real time services such as VoIP and video. Many municipal networks have deployed this technology today, resulting in up to 10 times more capacity and coverage than non-meshed networks.

### Contact your CenturyLink Representative today!

Visit [GSANetworkx.com](http://GSANetworkx.com) and click on "Locate your Account Manager".  
Or contact the CenturyLink Customer Support Office: 866-GSA-NETWorx  
(866-472-6389) Email: [federal@CenturyLink.com](mailto:federal@CenturyLink.com)



## How it Works

CenturyLink's multi-vendor experience allows us to leverage our wireless industry alliances to design, build, and integrate both a public and private network solution. CenturyLink's public network subscription service will be supported by a seasoned network force that has deployed and operated numerous wireless networks.

Each Access Point (AP) supports multiple Service Set Identifiers (SSID), where each SSID can be mapped to a different Virtual LAN and supports separate security profiles. This multiple SSID support allows secure access to both public and private networks. Our hotspot Operational Support System (OSS) facilitates easy administration of Inter-Wireless Internet Service Provider (WISP) roaming via its integrated clearing, settlement, and reconciliation capabilities, and it provides a common login procedure to Agency users whether they are accessing the Internet or Agency network resources from the private network, the public network, or while roaming on another WISP's network. This integrated private/public network solution was designed with simplicity of use in mind for end users.

## Why Buy from CenturyLink?

- Network Reliability - CenturyLink's MWLANs include a mesh backhaul that will create alternate paths to data aggregation points around failed components. Overall radio access network capacity is increased because mesh technology allows routing traffic around network congestion points.
- Security - authentication and encryption, such as 802.1x and Wired-Equivalent Privacy (WEP), are used to ensure wireless security.
- Experience - the CenturyLink Team has built, operated, and managed wireless networks that support both voice and data, and has deployed more than 3,000 sites with sustained high network quality for one million users.

## Other Wireless Products Available from CenturyLink

In addition to Multimode Wireless LAN Services, CenturyLink offers Cellular/Personal Communications Service.

## Contract Vehicle

### Networx Universal

- An overview of CenturyLink's contract is available on the CenturyLink Networx Website at <http://www.gsanetworx.com>

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