



Reliable, Secure and Scalable Wireless Controller for Mid-sized Businesses, Schools and Hospitals

The NETGEAR ProSafe 20-AP Wireless Controller WC7520 offers a high-performance and fully-featured Wireless LAN architecture to meet the demands of medium-sized businesses, schools, and hospitals with up to 1,500 users and more. Focusing on ease-of-use, the WC7520 Controller simplifies wireless deployments and network management with best-in-class wireless reliability, coverage, and performance. The scalable WC7520 Controller enables businesses to grow their wireless network as needed with a dramatic return on investment, with optional licenses that support their changing needs. Via licensing upgrades, the ProSafe Wireless Controller scales up to 50 access points (AP) and can support next generation IEEE 802.11n APs. For larger deployments, the WC7520 Controller is stackable up to three units, supporting up to 150 APs, including controller redundancy. Meeting the next generation needs of larger installations, the WC7520 Controller delivers central wireless management, integrated wireless mobility, robust top-end security and rich converged services such as L2/L3 fast roaming, guest access captive portal and Voice over Wi-Fi support. Built to last, the WC7520 Controller is backed by a Lifetime Warranty and delivers enterprise-class connectivity and secure wireless LAN functionality.

Scalable Architecture

The WC7520 Controller comes with IEEE 802.11a/b/g support and is upgradable to IEEE 802.11n with WC75NL license. The WC7520 Controller natively supports 20 APs and is upgradable in 10-AP increments up to a total of 50 APs via WC7510L licenses. Stackable up to three controllers, a WC7520 Controller stack can support 150 access points with a single interface. Importantly, the WC7520 offers redundancy for always-on reliability and peace of mind.

Centralized Management

Deployed as an overlay on the existing wired network infrastructure, the NETGEAR ProSafe 20-AP Wireless Controller simplifies the network management by providing a single point of management for the entire wireless network. Easy to set up, the WC7520 Controller discovers all supported access points in the network, even across VLANs and subnets. Once identified, the access points are provisioned to dependent access points in minutes. Building floor plans can be used to visualize live coverage and heat maps of the wireless network.

Robust Security

With identity-based security features such as support for RADIUS, Active Directory and internal or external AAA server, NETGEAR ProSafe 20-AP Wireless Controller truly unifies wired and wireless access without compromising on security. Management VLAN is configurable and up to 8 security configuration profiles (SSID, 802.11i security, VLAN, ACLs, Radio parameters) can be active. Rogue AP detection and prevention permits rogue AP classification (friendly or hostile). Standard RADIUS compliance enables support for third-party authentication and billing system implementation. Scheduled wireless on/off times permits the wireless network to be completely unavailable during specified non-business hours.

Guest Access, Captive Portal and Logging

Guest access allows restricted access to the network, using an integrated captive portal. Two methods of entry are provided, either assisted or self certified. In the assisted model, the receptionist can create a user name and password for guests in the GUI and the WC7520 Controller hosts a captive portal where guests can enter their pre-configured credentials to gain a restricted access to the network. Alternatively, the WC7520 Controller hosts a captive portal where guests can register themselves for restricted access to the network, prohibiting them any access to the sensitive data on the corporate network. Guest activity logs are available.



Technical Specifications**• Performance and Capacity**

- Managed access points: 20
- With license upgrade: 50
- Stackable limit: 3 units (up to 150 APs, via appropriate licenses)

• Access Points Supported

- WNDAP350 ProSafe Dual Band Wireless-N Access Point
- WNAP210 ProSafe Wireless-N Access Point

• Configuration Examples

- 20 a/b/g APs: WC7520
- 20 a/b/g/n APs: WC7520 + WC75NL
- 40 a/b/g APs: WC7520 + 2x WC7510L
- 40 a/b/g/n APs: WC7520 + 2x WC7510L + WC75NL
- 80 a/b/g APs: 2x WC7520 + 4x WC7510L + 2x WC75NL
- 40 a/b/g/n APs with redundancy: 2x WC7520 + 4x WC7510L + 2x WC75NL
- 150 a/b/g/n APs: 3x WC7520 + 9x WC7510L + 3x WC75NL

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*Free basic installation support provided for 90 days from date of purchase. Advanced product features and configurations are not included in free basic installation support; optional premium support available.