NETGEAR®

ProSAFE® Wireless Controller WC7600

Reasons to Choose the NETGEAR® ProSAFE® Wireless Controller WC7600

The ProSAFE WC7600 Wireless Controller is a 'high performance premium WLAN' platform that is also future proof for 11ac connectivity. Being backwards compatible, it offers a path for migrating to higher performance wireless networking with speeds up to 900Mbps (current 11n) and 1.75Gbps (future 11ac). Designed with simplicity in mind for management and ease of use, it offers enterprise grade functionality and capability for small to mid-sized organizations, but without the cost and complexity of big IT. The WC7600 is a scalable, secure mobile access solution that can support anything from a small office with dozens of users, up to several thousand concurrent clients across 150 Access Points in a stacked arrangement.

Take your mobile and wireless strategy to another level with the ProSAFE WC7600 Managed Controller

The WC7600 is a platform designed and built for performance, flexibility and ease of use. Customers looking for a wireless controller solution with these hallmarks will also benefit from a path that offers investment protection and scalability.

Reasons to choose the NETGEAR ProSAFE Wireless Controller WC7600

High Performance WLAN attributes

1. A WLAN deployment needs to be future proof to meet today's wireless experience needs, but also be ready for tomorrow's higher expectations. The future 'Internet of Things' means more connected mobiles devices and users consuming and producing content on an un-paralleled level. Offering investment protection, the WC7600 supports legacy 802.11 a/b/g and 11n deployments. It is also 802.11ac ready – the recently ratified next generation wireless standard.

2. Existing and new deployments of ProSAFE Dual Band WNDAP620 and WNDAP660 Access Points can now be centrally managed by the WC7600. Multiple transmit and receive antennae (3x3) allows for better data throughput and link range without additional transmit power or bandwidth usage. Customers can leverage 3x3 AP enhanced throughput and performance capabilities for more demanding environments, or larger scale deployments where service performance standards are higher. With best practice design, the real benefit is potentially fewer installed APs and a lower acquisition cost.

LIFETIME WARRANTY*

Additional Information:

www.netgear.com

Flexibility, Resiliency and Scalability in one WLAN platform

1. User and device expansion flexibility requires a balance between Capex and Opex budgets that can flex as networks needs change. Rising BYOD and smart device adoption rates add to the network cost management burden. Recurring WLAN license fee costs and hidden maintenance charges serve to disrupt growth plans. The flexible NETGEAR Access Point licensing structure offers a simple upgrade path to expand the network at a pace and time to suit – without any hidden or recurring annual licensing fees. Simply pay as you grow.

2. Differentiated wireless services provision makes it easier to prioritise different device types and access rights to deliver a more balanced wireless service experience. This can include placing select users and devices on a less congested spectrum, such as 5GHz instead of the more congested 2.4GHz space.

3. The new WN370 ProSAFE Single Band 2.4GHz Access Point is designed for management by the WC7600 for dedicated 'in room' wired and wireless access deployments. From one AP, you can support both wired and wireless connections including digital phones via a voice pass-through port. Perfect for hotel rooms, dormitories, labs and hospital patient rooms.

4. Seamless roaming across VLANs and Subnets: Seamless L2 and L3 fast roaming provides support for latency-sensitive applications such as video, audio and voice over wireless deployments.

5. Redundancy for Always-On Reliability and Peace of Mind: N+1 redundancy with failover (one cold redundant controller for 1, 2, or 3 production controllers).

6. Hot swap PSU / Fans: Provide for a resilient wireless network with redundancy failover for fans and power units.

7. Self-healing Wireless: Automatic WLAN healing from loss of access point or RF interferences. Adapts the power and channel of the other access points around the area to cover the loss in coverage.

Ease of use from installation through to secure, efficient daily operational management

1. Delivering customer satisfaction necessitates delivering a consistent user experience. Client and Access Point monitoring allows administrators to identify the most active AP, most active client and most active SSID. This information can then be used to identify service improvements including potentially adding additional APs, adjusting SSID profiles or refining user access policies.

2. Optimized for Centralized and Distributed Architectures: Local traffic is automatically switched at the access point level for fast processing, while roaming L3 traffic is processed at the controller level with encryption tunnelling.

3. Guest Access with Captive Portal: Guest access allows restricted access to the network, using a captive portal with the built-in AAA server or external Radius server. Third party billing and guest access services can be incorporated including Synergy Systems and Ucopia, or any other standards based guest access portal vendors by deploying the solution in-line with the wireless solution.

4. Dynamic RF Management automatically controls access point transmit power and channel allocations to ensure quality coverage by minimizing interference.

5. Fair bandwidth allocation among all clients for robust wireless connectivity is supported by automated load balancing and rate limiting.

6. Customer Floor Maps: Heat maps by wireless band, wireless channel and signal strength allow real-time reporting of the wireless network status. This allows for optimum AP deployment to be realised for consistent service.

7. Lifetime warranty* provides peace of mind for the duration of ownership. The WC7600 and WN370 are backed by the industry-leading ProSAFE Lifetime Hardware Warranty and include Lifetime Next Business Day* replacement. Additionally, technical support that connects businesses directly with experienced technical experts is available via chat for lifetime and via phone for 90 days (24 x 7).