



## Key Features

- Manage up to 240 APs with granular access control
- Central WLAN management on both configurations and data
- Flexibility supporting both distributed and tunneled data forwarding
- Strongest standard-based wireless security – WPA/WPA2 and AES encryption
- Built-in firewall
- Built-in wireless intrusion detection, prevention and anti-virus
- Web authentication support for guest networks (captive portal)

Within business today companies continually face the challenge of providing wireless access to guests and mobile employees without compromising security. To address this situation ZyXEL has developed the Wireless LAN Controller 5000 Series comprising the NXC5200 WLAN Controller and NWA5160N WLAN AccessPoint. The solution is designed to deliver high performance 11n wireless to provide seamless mobility in medium to large campus and secure distributed enterprise environments.

The NXC5200 integrates ZyXEL industry-leading ZyWALL Firewall features, such as stateful packet inspection, to monitor data incoming from mobile wireless users. In addition, by adopting optional license-based Intrusion Detection/Prevention and anti-virus functions, the NXC5200 can also act as a gatekeeper to the wireless edge.

## Key Benefits

### Central configuration

This new secure WLAN solution is based on the ZyXEL NXC5200 central controller and the ZyXEL NWA5160N managed access points that scales up to 240 access points (APs) and provides comprehensive wireless coverage. Real-time functions such as roaming, authentication and load balancing are performed on the NXC5200 while the NWA5160N functions strictly as a signal converter. The benefits include central configuration independent of the number of available managed access point as long as there is IP network available.

### Zone-defense concept for solid protection

Mobile users pose more critical threats to company networks than wired users. To address this, the NXC5200 comes with Firewall features featuring stateful packet check to regulate data incoming from mobile users. In addition, by adopting license-based Intrusion Detection/Prevention and anti-virus functions, the NXC5200 can act as a gatekeeper on the network edge to block potential threats.

### Full performance without concerns

The prevalence of 11n wireless networks has put the capacity of traditional controllers to the test, the NXC5200 is designed to relieve the concerns of IT staff. Not only does it have a high-performance system design, the data that flows through each virtual AP can also be configured to be bridged locally or enter the WLAN controller, NXC5200, for better management. With this feature, the NXC5200 and NWA5160N can offload the burden to the network while allowing users to enjoy the 11n performance.

### Better wireless experience

Central administration simplifies planning immensely. The managed access points are first installed at the most suitable locations for WLAN reception. Areas with insufficient coverage or too low data speeds can be made accessible with additional managed access points. The best results can be obtained however when a site survey is carried out enabling a simplified installation and better wireless experience.

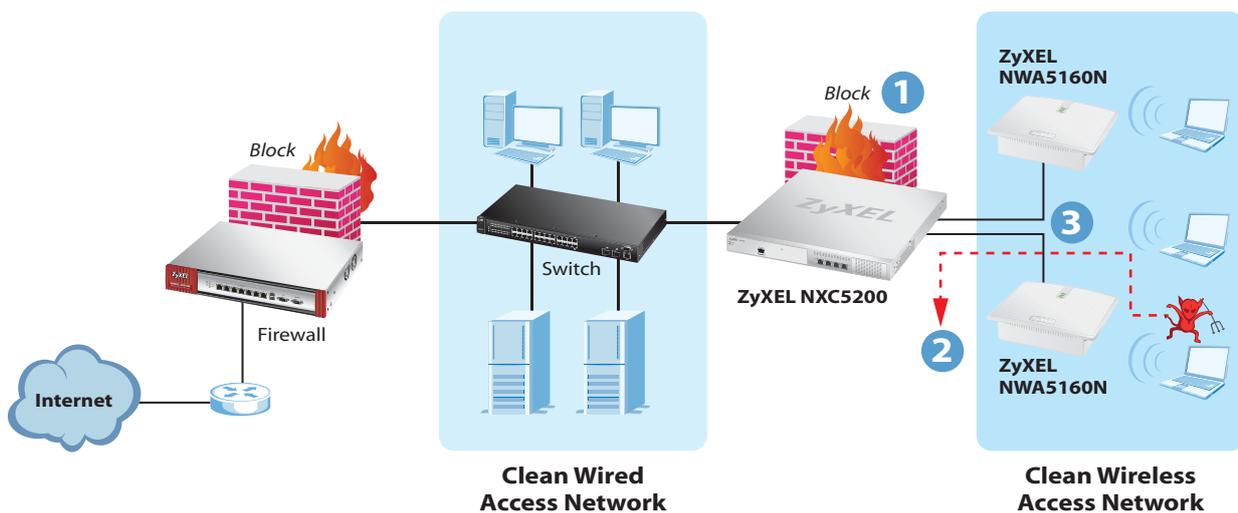
A good example of a real business need for the ZyXEL NXC5200 solution would be to provide guest access in a large hospitality environment. Collaboration with visitors, other business employees and local staff require different degrees of network access to be offered while they are visiting the business. To give these guests the access they need, one of the biggest challenges facing IT departments is how to provide Internet connectivity, without giving guests access to private LAN resources or to have limited access with authentication. A secure guest access solution must ensure that guests are connected directly to the Internet, but can never access internal network resources. ZyXEL NXC5200 built-in SSID-profile-based configuration to identify, categorize and contain a guest's traffic no matter where they roam on the WLAN.

### Captive portal

A captive portal intercepts all network traffic regardless of address or port until users authenticate their identity through a designated login Web page. As an added security measure, the NXC contains captive portal functionality; this means that all Web page requests can be initially redirected to a special Web page that requires guests to authenticate their sessions.

Once the authentication processes are successful, guests can then connect to the rest of the network or Internet. Contents on the captive portal may be customised with company logos, backgrounds, policies and other descriptive text. A captive portal provides guests with controlled access to the network while keeping the network secure.

## Key Application



- 1 Build-in Firewall
- 2 Build-in Wireless Anti-Virus, Intrusion Detection and Prevention
- 3 Managed up to 240 APs with granular access control

## Specifications

Model		NWA5160N	NXC5200
Product Picture			
Product Feature		802.11a/g/n Wireless Managed AP	Wireless LAN Controller
Basic Design	Wireless Technology	802.11a/g/n	-
	Radio	1	-
	High Power (option)	-	-
	Number of Antenna	Embedded 3x3	-
LAN & WAN	Number of 10/100M LAN	-	-
	Number of 10/100/1000M LAN	1	4*
	PoE	Yes	-
	PoE Power Draw	8W	-
Power Requirement	Input Voltage	12 V DC @1.5 Amp Maximum	AC 90 - 264 V @47 - 63 Hz
Environmental Specification	Operating Temperature	0°C to 40°C	0°C to 40°C
	Storage Temperature	-20°C to 60°C	-30°C to 60°C
	Operating Humidity	20% to 90%, (non-condensing)	10% to 95%, (non-condensing)
Physical Feature	Dimensions, (W) x (D) x (H) mm	225 x 178 x 60	431 x 44 x 520
	Weight	766 g	10 Kg
Security Features	WPA2	Yes	Yes
	WPA	Yes	Yes
	WEP	Yes	Yes
	IEEE 802.1x	Yes	Yes
	Web Authentication	-	Yes
	MAC Filtering	-	Yes
	RADIUS Authentication	-	Yes
	Microsoft AD Authentication	-	Yes
	LDAP Authentication	-	Yes
	Embedded RADIUS Server	-	Yes
	Rogue AP Detection	-	Yes
	Rogue AP Containment	-	Yes
	Intrusion Detection & Prevention	-	Yes
	Anti-virus	-	Yes
Firewall	-	Yes	
Network	VLANs	-	Yes
	DHCP Client	Yes	Yes
	DHCP Relay, Server	-	Yes
	NAT	-	Yes
	RIP & Static Routing	-	Yes
Access Control	Policy Setting per User	-	Yes
	Policy Setting per SSID	-	Yes
	Customizable Web Login Page	-	Yes
QoS	WMM	-	Yes
	WMM Power Save	-	Yes
	DiffServ Marking	-	Yes
	AP Load Balancing	-	Yes
	Application Patrol	-	Yes
Management Features	CLI with SSH	Yes	Yes
	Web UI with SSL	-	Yes
	SNMP	-	Yes
	Multi-level Administration Roles	-	Yes
	Administrator Authentication via RADIUS Server	-	Yes
Others	Plenum Rating	Yes	-
	Kensington Lock Support	Yes	-
	Dynamic Channel Selection	-	Yes
	Device HA	-	Yes
	System Diagnostic Tool	-	Yes

\* Default: 4-port RJ-45 GbE with expansion slot for 4-port RJ-45/SFP GbE

### Ordering Information

#### License

Feature	Please Order
<p><b>Managed AP Scalability</b></p> <p>The NXC5200 Managed AP License is a service that enables the flexibility to increase the number of 5000 Series WLAN APs in service. The maximum number of managed APs supported is 240.</p>	<p>iCard/E-iCard 12 AP NXC5200</p> <p>iCard/E-iCard 48 AP NXC5200</p>
<p><b>Intrusion Detection and Prevention (IDP)</b></p> <p>The NXC5200 Intrusion Detection/Prevention service is an easy-to-manage, signature-based feature that mitigates threats from the ever-evolving attacks and exploits.</p>	<p>iCard/E-iCard 1 YR IDP NXC5200</p> <p>iCard/E-iCard 2 YR IDP NXC5200</p>
<p><b>Anti-Virus (AV)</b></p> <p>The NXC5200 Anti-Virus service is an easy-to-manage, signature-based feature that stops virus/spyware from entering your network.</p>	<p>iCard/E-iCard 1YR ZyXEL AV NXC5200</p> <p>iCard/E-iCard 2YR ZyXEL AV NXC5200</p> <p>iCard/E-iCard 1YR Kaspersky AV NXC5200</p> <p>iCard/E-iCard 2YR Kaspersky AV NXC5200</p>

#### Accessory

Item	WEM104	WEM104F
<p><b>Photo</b></p>		
<p><b>Description</b></p>	<p>4-port RJ-45 GbE LAN Module</p>	<p>4-port SFP GbE LAN Module</p>

For more product information, visit us on the web at [www.ZyXEL.com](http://www.ZyXEL.com)