

ZyXEL



Quick Sales Guide

Wireless LAN

Wireless LAN Controller Quick Finder

Segment			Model
Medium-Sized Business to Enterprise	<ul style="list-style-type: none"> • Centralized WLAN Management • User/Application Management 	<ul style="list-style-type: none"> • Wireless LAN Controller 	NXC5500 
Small- to Medium-Sized Business	<ul style="list-style-type: none"> • Centralized WLAN Management • User/Application Management 	<ul style="list-style-type: none"> • Wireless LAN Controller 	NXC2500 

Wireless LAN Access Point Quick Finder

Segment			Model
Medium-Sized Business to Enterprise		<ul style="list-style-type: none"> • 802.11ac dual radio concurrent 2.4 and 5 GHz support • Smart antenna technology • 3 spatial streams 	WAC6503D-S 
		<ul style="list-style-type: none"> • 802.11ac dual radio concurrent 2.4 and 5 GHz support • Smart antenna technology • 2 spatial streams 	WAC6502D-S 
		<ul style="list-style-type: none"> • 802.11ac dual radio concurrent 2.4 and 5 GHz support • External antenna • 2 spatial streams 	WAC6502D-E 
	<ul style="list-style-type: none"> • Centralized WLAN Management • Unified AP: Controller/Managed AP • Standalone AP 	<ul style="list-style-type: none"> • 802.11ac dual radio concurrent 2.4 and 5 GHz support • Outdoor coverage • 3 spatial streams 	WAC6553D-E 
		<ul style="list-style-type: none"> • 802.11n support for dual radio concurrent 2.4 and 5 GHz • GbE interface • Outdoor coverage 	NWA3550-N 
		<ul style="list-style-type: none"> • 802.11n support for dual radio concurrent 2.4 and 5 GHz • GbE interface 	NWA3560-N 
		<ul style="list-style-type: none"> • 802.11n support in 2.4/5 GHz • Single radio • GbE interface 	NWA3160-N 

Key Features

Model	Description	Key Features
NXC5500	Wireless LAN Controller	<ul style="list-style-type: none"> • Auto provisioning and centralized management of up to 512 APs • Advanced ZyMESH technology for simplified AP deployment and WLAN extension • Enhanced RF management with auto healing • Flexible traffic forwarding with tunnel and distributed modes • Comprehensive guest network management and granular access control
NXC2500	Wireless LAN Controller	<ul style="list-style-type: none"> • Auto provisioning and centralized management of up to 64* APs • ZyXEL Wireless Optimizer for easily planning, deployment and maintenance • Advanced ZyMESH technology for simplified AP deployment and WLAN extension • Enhanced RF management with auto healing • Flexible traffic forwarding with tunnel and distributed modes • Comprehensive guest network management and granular access control

*Management of 64 APs is supported with firmware version V4.10 or above

Key Features

Model	Description	Key Features
WAC6503D-S	Unified Pro AP	
WAC6502D-S	Unified Pro AP	<ul style="list-style-type: none"> • ZyXEL smart antenna provides premium performance anywhere • Advanced IEEE 802.11ac offers up to 1.75 Gbps combined data rates • AP Flex™, DCS and tool-less bracket design ease deployment • 2-in-1 standalone/managed AP design • Enterprise-grade security for the wireless network edge • Streamlined network initialization, troubleshooting and configuration by supporting ZON utility, ZyXEL Smart Connect and ZAC • Simplified Wi-Fi planning, deployment and management by supporting ZWO • Plenum rated housing
WAC6502D-E	Unified Pro AP	
WAC6553D-E	Unified Pro AP	
NWA3550-N	Unified Pro AP	
NWA3560-N	Unified Pro AP	<ul style="list-style-type: none"> • High bandwidth & superior performance with IEEE 802.11n standard support • The 3-in-1 solution: a WLAN controller, a standalone AP or a managed AP • Brand new centralized graphic management interface for up to 24 WLAN APs • Back-up redundancy supported to provide reliable connection service (Device HA) • Secured tunnels for communication between controller and managed AP to prevent leaking of configurations • Streamlined network configuration by supporting ZAC • Simplified Wi-Fi planning, deployment and management by supporting ZWO
NWA3160-N	Unified Pro AP	

Segment		Model
Medium-Sized Business to Enterprise	<ul style="list-style-type: none"> Dual radio 2.4 and 5 GHz support Embedded antenna 	NWA5123-NI 
	<ul style="list-style-type: none"> Single radio 2.4 GHz support External antenna 	NWA5121-N 
	<ul style="list-style-type: none"> Centralized WLAN Management Unified AP: Controller/Managed AP Standalone AP 	NWA5121-NI 
	<ul style="list-style-type: none"> Single radio 2.4 GHz support Embedded antenna 	NWA5301-NJ 
Small Business	<ul style="list-style-type: none"> 802.11ac support Dual radio concurrent 2.4 and 5 GHz GbE interface IPv6 support 	NWA1123-AC 
	<ul style="list-style-type: none"> 802.11n support Dual radio concurrent 2.4 and 5 GHz GbE interface IPv6 support 	NWA1123-NI 
	<ul style="list-style-type: none"> Web Managed SNMP Management 	NWA1121-NI 
	<ul style="list-style-type: none"> 802.11n support Single radio 2.4 GHz support GbE interface IPv6 support 	NWA1100-NH 

Model	Description	Key Features
NWA5123-NI	Unified AP	<ul style="list-style-type: none"> • Ceiling and wall mountable • Plenum rated housing • 2-in-1 standalone/managed AP design • CAPWAP management supported
NWA5121-N	Unified AP	<ul style="list-style-type: none"> • 2.4 GHz and 5 GHz concurrent dual-band (NWA5123-NI) • High-performance RF technology: Tx Beamforming and Rx Maximum Likelihood Demodulation (MLD) • Streamlined network initialization, troubleshooting and configuration by supporting ZON utility, ZyXEL Smart Connect and ZAC • Simplified Wi-Fi planning, deployment and management by supporting ZWO
NWA5121-NI	Unified AP	
NWA5301-NJ	Unified AP	<ul style="list-style-type: none"> • Unique back panel design that fits the majority of outlet boxes in the world • 2.4 GHz 802.11n technology providing data rates of up to 300 Mbps • High-gain antenna that optimizes Wi-Fi services for mobile devices • LED suppress mode for comfortable room services • Layer-2 isolation to secure personal data from leaking • Streamlined network initialization, troubleshooting and configuration by supporting ZON utility, ZyXEL Smart Connect and ZAC • Simplified Wi-Fi planning, deployment and management by supporting ZWO
NWA1123-AC	Web-Managed AP	
NWA1123-NI	Web-Managed AP	<ul style="list-style-type: none"> • Compact ceiling-mount design with optimized RF performance • High performance for better Wi-Fi experiences (IEEE 802.11n/IEEE 802.11ac) • Easy RF planning with the same 2.4 GHz and 5 GHz signal coverage (NWA1123-NI, NWA1123-AC) • Flexible operating modes (stand-alone, client mode, root-AP/repeater mode) • Streamlined network initialization and configuration by supporting ZON utility and ZAC • Simplified Wi-Fi planning, deployment and management by supporting ZWO
NWA1121-NI	Web-Managed AP	
NWA1100-NH	Web-Managed AP	<ul style="list-style-type: none"> • High output power of up to 28 dBm delivers extended coverage • 2 external antennas with high 5 dBi gain optimized for mobile devices • Fast 802.11n Wi-Fi with speed up to 300 Mbps improves transmission of large files or videos • Easy deployment via client mode or repeater AP and IEEE 802.3af PoE support • Certified WPA2 Enterprise, access control management and user traffic control for strict network protection • Streamlined network initialization and configuration by supporting ZON utility and ZAC • Simplified Wi-Fi planning, deployment and management by supporting ZWO

Wireless LAN Feature Matrix

Model	NXC Controller	
	NXC5500	NXC2500
Port Density		
10/100/1000 Mbps RJ-45 ports	6	6
USB	2	2
Capacity & Performance		
Managed APs (default/max.)	64/512	8/64
Throughput (Gbps)	6	1
Deployment Tools		
AP planning	-	Yes
Coverage detection	-	Yes
WLAN quality map	-	Yes
WLAN Management		
CAPWAP	Yes	Yes
Controller address assignment	Manual/Auto discovery/DHCP option/DNS	Manual/Auto discovery/DHCP option/DNS
Auto provisioning	Yes	Yes
NAT pass-through	Yes	Yes
Encrypted managed frame (DTLS)	Yes	Yes
Primary/Backup controller	Yes	Yes
Manged AP firmware auto upgrade	Yes	Yes
Scheduled firmware upgrade	Yes	Yes
Dynamic channel selection	Yes	Yes
Client RSSI threshold	Yes	Yes
Wireless multicst setting	Yes	Yes
ZyMESH*	Yes	Yes
ZyMESH with multiple SSIDs and VLANs (tunnel mode)	Yes**	Yes**
Auto healing	Yes	Yes
Authentication & Security		
Authentication protocol	802.1x, MS AD, LDAP	802.1x, MS AD, LDAP
MAC authentication	Yes	Yes
Embedded RADIUS server	Yes (4,096 users)	Yes (512 users)
Rogue AP detection	Yes	Yes
Rogue AP containment	Yes	Yes
Customizable captive portal	Yes	Yes
External captive portal	Yes	Yes
Guest account (dynamic)	Yes (1,024)	Yes (512)
L2 isolation	Yes	Yes
Network Features		
VLAN	Yes (512)	Yes (256)
DHCP client/server/relay	Yes/Yes/Yes	Yes/Yes/Yes
NAT	Yes	Yes
Static routing	Yes	Yes
Policy routing	Yes	Yes
Firewall	Yes	Yes
QoS		
WMM power save	Yes	Yes
Diffserv marking	Yes	Yes
AP load balancing	Yes	Yes
Rate limiting (firewall)	Yes	Yes
Station bandwidth limit (per SSID)	Yes	Yes
Data tunneling	Yes** (up to 64 APs suggested)	Yes** (up to 16 APs suggested)
Management Features		
CLI with SSH	Yes	Yes
Web UI with SSL	Yes	Yes
SNMP	v1, v2c, v3	v1, v2c, v3
Multi-level administration roles	Yes	Yes
Remote configuration and management	Yes	Yes
Management VLAN	Yes	Yes
System log	Yes	Yes
System log save to USB drive	Yes	Yes
Others		
Packet capture	Yes	Yes
High availability	Primay/Seconday controller	Primay/Seconday controller
2nd controller configuration	Yes	Yes
System diagnostic tool	Yes	Yes
Band select (steering)	Yes	Yes
IPv6 host	Yes	Yes
Power supply	270 W ATX SPS; Input: 100 - 240 V @50 - 60 Hz	12 V DC, 100 - 240 V AC
MTBF	55,555	815,464
Heat dispersion	467	64.83
Physical Specifications		
Dimensions (WxDxH)(mm/in.)	520 x 435 x 42/20.47 x 17.13 x 1.65	242 x 175 x 35.5/9.53 x 6.89 x 1.38
Weight (g/lb.)	5,350/11.79	805/1.77
Included accessories	<ul style="list-style-type: none"> • Ethernet cable • Console cable • Power cord • Rack mounting kit 	<ul style="list-style-type: none"> • Power adapter • Rack mounting kit

*: ZyMESH can be enabled with a license upgrade. Without a license, 1 root AP is supported as a trial.

**: Supported when working with the NWA3160-N, NWA3560-N, NWA3550-N

Model	Unified Pro AP Series						
	WAC6503D-S	WAC6502D-S	WAC6502D-E	WAC6553D-E	NWA3550-N	NWA3560-N	NWA3160-N
Product Description	802.11ac Dual Radio Smart Antenna 3x3 Access Point	802.11ac Dual Radio Smart Antenna 2x2 Access Point	802.11ac Dual Radio External Antenna 2x2 Access Point	802.11ac Dual Radio External Antenna 3x3 Outdoor Access Point	802.11 a/b/g/n Unified Pro Dual-Radio Outdoor Access Point	802.11 a/b/g/n Unified Pro Dual-Radio Access Point	802.11 a/b/g/n Unified Pro Access Point
Basic Design							
Wireless frequency	2.4 and 5 GHz	2.4 and 5 GHz	2.4 and 5 GHz	2.4 and 5 GHz	2.4 and 5 GHz	2.4 and 5 GHz	2.4/5 GHz
Radio	2	2	2	2	2	2	1
RF Specifications							
Number of antenna	6 embedded smart antenna	4 embedded smart antenna	4 external	6 N-type connectors**	4 N-type connectors**	4 external dipole	2 external dipole
Antenna gain	4 dBi @2.4 GHz 6 dBi @5 GHz	4 dBi @2.4 GHz 6 dBi @5 GHz	5 dBi @2.4 GHz 7 dBi @5 GHz	4.5 dBi @2.4 GHz 7 dBi @5 GHz	3 dBi	3 dBi	3 dBi
LAN							
Number of 10/100M LAN	-	-	-	-	-	-	-
Number of 10/100/1000M LAN	2	2	2	2	1	1	1
PoE	Yes	Yes	Yes	Yes	Proprietary	Yes	Yes
PoE power draw (watt)	17.04	15.12	15.12	25	28	14	11
WLAN Features							
WLAN maximum net throughput	Up to 900 Mbps	Up to 600 Mbps	Up to 600 Mbps	Up to 900 Mbps	Up to 140 Mbps	Up to 140 Mbps	Up to 120 Mbps
Mesh AP (By license)	Yes (V4.21)	Yes (V4.21)	Yes (V4.21)	Yes (V4.21)	Yes (V4.1)	Yes (V4.1)	Yes (V4.1)
Mesh AP for Multiple SSID with VLAN (through tunnel mode)	Yes (V4.21)	Yes (V4.21)	Yes (V4.21)	Yes (V4.21)	Yes (V4.1)	Yes (V4.1)	Yes (V4.1)
Wireless Security							
WEP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WPA/WPA2-PSK	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WPA/WPA2-Enterprise	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WMM (Wi-Fi Certified)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EAP types	EAP-TLS, EAP-TTLS, EAP-PEAP, EAP-FAST, EAP-AKA and EAP-SIM				TLS, TTLS, PEAP, FAST, AKA and SIM	TLS, TTLS, PEAP, FAST, AKA and SIM	TLS, TTLS, PEAP, FAST, AKA and SIM
IEEE 802.1X	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Number of SSID	16	16	16	16	16	16	16
Web authentication	Yes	Yes	Yes	Yes	*	*	*
MAC filtering	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Layer-2 isolation	Yes	Yes	Yes	Yes	Yes, Multiple profile	Yes, Multiple profile	Yes, Multiple profile
RADIUS authentication	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Microsoft AD authentication	Yes	Yes	Yes	Yes	*	*	*
LDAP authentication	Yes	Yes	Yes	Yes	*	*	*
MAC authentication	Yes	Yes	Yes	Yes	*	*	*
Embedded RADIUS server	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rogue AP detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rogue AP containment	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Firewall	Yes	Yes	Yes	Yes	*	*	*
Network							
IPv6 host	Yes	Yes	Yes	Yes	-	-	-
VLANs	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DHCP client	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Management							
Controller mode	-	-	-	-	Yes	Yes	Yes
Standalone AP mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Managed AP mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CLI	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Web UI	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SNMP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Others							
Plenum rating	Yes	Yes	Yes	Yes	-	Yes	Yes
Power supply	DC input: 12 VDC 2 A; PoE: 802.3at compliant				PoE12-HP	Input: AC 100 - 240 V ~50/60 Hz 0.3 A Output: DC +12V 1.5 A	
MTBF	44,000	44,000	44,000	44,000	155,600	173,386	189,393
Heat dispersion	56.6	48.17	48.17	85.3	95.54	47.77	37.53
Physical Specifications							
Dimensions (WxDxH)(mm/in.)	236 x 227 x 62/ 9.28 x 8.95 x 2.43	236 x 227 x 62/ 9.28 x 8.95 x 2.43	236 x 227 x 62/ 9.28 x 8.95 x 2.43	255 x 256 x 62/ 10.04 x 10.08 x 2.44	257 x 257 x 51/ 10.12 x 10.12 x 2.01	198 x 138 x 45/ 7.80 x 5.43 x 1.77	198 x 138 x 45/ 7.80 x 5.43 x 1.77
Weight (g/lb.)	982/2.17	961/2.12	841/1.86	1,708/3.77	1,360/3.01	462/1.02	439/0.97
Included accessories	• Ceiling mount plate • Mounting screws	• Ceiling mount plate • Mounting screws	• External antenna • Ceiling mount plate • Mounting screws	• Pole/wall mounting kits • PoE injector • Power cord	• Wall/ceiling mount plate	• Power adapter • Ethernet cable • Mounting screws • Console cable	• Power adapter • Ethernet cable • Console cable

*: Supported when working with the NXC2500 and NXC5500

**: The antenna is not embedded and external antennas are separately sold

Model	Unified AP Series			Wall-Plate AP
	NWA5123-NI	NWA5121-N	NWA5121-NI	NWA5301-NJ
Product Description	802.11 a/b/g/n Unified Dual Radio Access Point	802.11 b/g/n Unified Access Point	802.11 b/g/n Unified Access Point	802.11 b/g/n Unified In-wall Access Point
Basic Design				
Wireless frequency	2.4 and 5 GHz	2.4 GHz	2.4 GHz	2.4 GHz
Radio	2	1	1	1
RF Specifications				
Number of antenna	4 embedded	2 external	2 embedded	2 embedded
Antenna gain	5 dBi @2.4 GHz 6 dBi @5 GHz	3 dBi	7 dBi	5 dBi
LAN				
Number of 10/100M LAN	-	-	-	Uplink: 1; Downlink: 3
Number of 10/100/1000M LAN	1	1	1	-
PoE	Yes	Yes	Yes	Yes
PoE power draw (watt)	7	4	4	13 (Include 7 W for PoE PSE)
WLAN Features				
WLAN maximum net throughput	Up to 110 Mbps	Up to 110 Mbps	Up to 110 Mbps	Up to 90 Mbps (Limited by 10/100 uplink)
Mesh AP (By license)	Yes (V4.1)	Yes (V4.1)	Yes (V4.1)	Yes (V4.1)
Mesh AP for Multiple SSID with VLAN (through tunnel mode)	-	-	-	-
Wireless Security				
WEP	Yes	Yes	Yes	Yes
WPA/WPA2-PSK	Yes	Yes	Yes	Yes
WPA/WPA2-Enterprise	Yes	Yes	Yes	Yes
WMM (Wi-Fi Certified)	Yes	Yes	Yes	Yes
EAP types	TLS, TTLS, PEAP, FAST, AKA and SIM	TLS, TTLS, PEAP, FAST, AKA and SIM	TLS, TTLS, PEAP, FAST, AKA and SIM	TLS, TTLS, PEAP, FAST, AKA and SIM
IEEE 802.1X	Yes	Yes	Yes	Yes
Number of SSID	16	8	8	8
Web authentication	*	*	*	*
MAC filtering	Yes	Yes	Yes	Yes
Layer-2 isolation	Yes, Multiple Profile	Yes, Multiple Profile	Yes, Multiple Profile	Yes, Multiple Profile
RADIUS authentication	Yes	Yes	Yes	Yes
Microsoft AD authentication	*	*	*	*
LDAP authentication	*	*	*	*
MAC authentication	*	*	*	*
Embedded RADIUS server	-	-	-	-
Rogue AP detection	Yes	Yes	Yes	Yes
Rogue AP containment	Yes (V4.1)	Yes (V4.1)	Yes (V4.1)	Yes (V4.1)
Firewall	*	*	*	*
Network				
IPv6 host	Yes (V4.1)	Yes (V4.1)	Yes (V4.1)	Yes (V4.1)
VLANs	Yes	Yes	Yes	Yes
DHCP client	Yes	Yes	Yes	Yes
Management				
Controller mode	-	-	-	-
Standalone AP mode	Yes	Yes	Yes	Yes
Managed AP mode	Yes	Yes	Yes	Yes
CLI	Yes	Yes	Yes	Yes
Web UI	Yes	Yes	Yes	Yes
SNMP	Yes	Yes	Yes	Yes
Others				
Plenum rating	Yes	Yes	Yes	-
Power supply	Input: AC 100 - 240 V ~ 50/60 Hz 0.3 A; Output: DC +12 V 1 A			-
MTBF	781,396	627,152	627,152	531,785
Heat dispersion	23.9	13.66	13.66	17.709
Physical Specifications				
Dimensions (WxDxH)(mm/in.)	130 x 130 x 54.5/ 5.12 x 5.12 x 2.17	150 x 130 x 54.5/ 5.9 x 5.12 x 2.17	130 x 130 x 54.5/ 5.12 x 5.12 x 2.17	85 x 138 x 37.4/ 3.35 x 5.43 x 1.47
Weight (g/lb.)	250/0.55	230/0.51	230/0.51	172 /0.379
Included accessories	• Power adapter • Wall/ceiling mount plate	• Power adapter • Wall/ceiling mount plate	• Power adapter • Wall/ceiling mount plate	• Wall/ceiling mount plate

*: Supported when working with the NXC2500 and NXC5500

**: The antenna is not embedded and external antennas are separately sold

Model	Standalone AP Series			
	NWA1123-AC	NWA1123-NI	NWA1121-NI	NWA1100-NH
Product Description	802.11 a/b/g/n/ac Dual-Radio Ceiling Mount PoE Access Point	802.11 a/b/g/n PoE Access Point	802.11 b/g/n PoE Access Point	802.11 b/g/n Long Range PoE Access Point
Basic Design				
Wireless frequency	2.4 and 5 GHz	2.4 and 5 GHz	2.4 GHz	2.4 GHz
Radio	2	2	1	1
RF Specifications				
Number of antenna	4 embedded	4 embedded	2 embedded	2T2R MIMO
Antenna gain	4 dBi @2.4 GHz 6 dBi @5 GHz	5 dBi @2.4 GHz 6 dBi @5 GHz	7 dBi	5 dBi
LAN				
Number of 10/100M LAN	-	-	-	-
Number of 10/100/1000M LAN	1	1	1	1
PoE	Yes	Yes	Yes	Yes
PoE power draw (watt)	7	7	4	6
WLAN Features				
WLAN maximum net throughput	Up to 110 Mbps			
Mesh AP (By license)	-	-	-	-
Mesh AP for Multiple SSID with VLAN (through tunnel mode)	-	-	-	-
Wireless Security				
WEP	Yes	Yes	Yes	Yes
WPA/WPA2-PSK	Yes	Yes	Yes	Yes
WPA/WPA2-Enterprise	Yes	Yes	Yes	Yes
WMM (Wi-Fi Certified)	Yes	Yes	Yes	Yes
EAP types	TLS, TTLS, PEAP, FAST, AKA and SIM	TLS, TTLS, PEAP, FAST, AKA and SIM	TLS, TTLS, PEAP, FAST, AKA and SIM	PEAP, EAP-TLS, -TTLS, -SIM, -FAST, -AKA, -MD5 and -GTC
IEEE 802.1X	Yes	Yes	Yes	Yes
Number of SSID	16	16	8	8
Web authentication	-	-	-	-
MAC filtering	Yes	Yes	Yes	Yes
Layer-2 isolation	Yes	Yes	Yes	Yes
RADIUS authentication	Yes	Yes	Yes	Yes
Microsoft AD authentication	-	-	-	-
LDAP authentication	-	-	-	-
MAC authentication	-	-	-	-
Embedded RADIUS server	-	-	-	-
Rogue AP detection	-	-	-	-
Rogue AP containment	-	-	-	-
Firewall	-	-	-	-
Network				
IPv6 host	Yes	Yes	Yes	Yes
VLANs	Yes	Yes	Yes	Yes
DHCP client	Yes	Yes	Yes	Yes
Management				
Controller mode	-	-	-	-
Standalone AP mode	Yes	Yes	Yes	Yes
Managed AP mode	-	-	-	-
CLI	Yes	Yes	Yes	Yes
Web UI	Yes	Yes	Yes	Yes
SNMP	Yes	Yes	Yes	Yes
Others				
Plenum rating	Yes	Yes	Yes	-
Power supply	Input: AC 100 - 240 V ~ 50/60 Hz 0.3 A Output: DC +12V 1 A	Input: AC 100 - 240 V ~ 50/60 Hz 0.3 A Output: DC +12V 1 A	Input: AC 100 - 240 V ~ 50/60 Hz 0.3 A Output: DC +12V 1 A	Input: AC 100 - 240 V ~ 50/60 Hz 0.3 A Output: DC +12V 1 A
MTBF	656,972	781,396	627,152	1,018,460
Heat dispersion	23.9	23.9	13.66	23.9
Physical Specifications				
Dimensions (WxDxH)(mm/in.)	130 x 130 x 54.5/ 5.12 x 5.12 x 2.17	130 x 130 x 54.5/ 5.12 x 5.12 x 2.17	130 x 130 x 54.5/ 5.12 x 5.12 x 2.17	153 x 110 x 38/ 6.02 x 4.33 x 1.5
Weight (g/lb.)	260/0.57	250/0.55	230/0.51	240/0.529
Included accessories	• Power adapter • Wall/ceiling mount plate	• Power adapter • Wall/ceiling mount plate	• Power adapter • Wall/ceiling mount plate	• Power adapter • Mounting screws

*: Supported when working with the NXC2500 and NXC5500

**: The antenna is not embedded and external antennas are separately sold

Accessories

Antenna

Model	EXT-108	EXT-109	EXT-114	EXT-118
Product Photo				
Space	Outdoor	Outdoor	Outdoor	Outdoor
Frequency Band (MHz)	2400 - 2500	2400 - 2500	2400 - 2500	2400 - 2500
Gain	8 dBi	8.5 dBi	14 dBi	18 dBi
VSWR	2.0:1 Max.	1.5:1 Max.	1.5:1 Max.	1.5:1 Max.
Polarisation	Linear, vertical	Linear, vertical	Linear, vertical	Linear, vertical
HPBW/Horizontal				
HPBW/Vertical				
Connector	N type jack	N type jack	N type jack	N type jack
Temperature	-40°C to 80°C/-40°F to 176°F	-40°C to 80°C/-40°F to 176°F	-40°C to 80°C/-40°F to 176°F	-40°C to 80°C/-40°F to 176°F
Weight (g/lb.)	340/0.75	107/0.24	407/0.90	1,600/3.53
Dimensions (mm/in.)	80 x 78 x 520/ 3.15 x 3.07 x 20.47	114 x 114 x 40/ 4.49 x 4.49 x 1.57	200 x 200 x 50/ 7.87 x 7.87 x 1.97	360 x 360 x 16/ 14.17 x 14.17 x 0.63
Accessory kit	<ul style="list-style-type: none"> Screw kit N-plug adapter Mounting kit Quick installation guide 	<ul style="list-style-type: none"> Cable: N-plug, RP-SMA plug; 3 m Mounting plate Quick installation guide 	<ul style="list-style-type: none"> Cable: N-plug, RP-SMA plug; 3 m Mounting kit Quick installation guide 	<ul style="list-style-type: none"> Cable: N-plug, RP-SMA plug; 3 m Mounting set Quick installation guide

Model	ANT2206	ANT2105	ANT3108	ANT3218
Product Photo				
Space	Indoor	Outdoor	Outdoor	Outdoor
Frequency Band (MHz)	2400 - 2500 4900 - 5875	2400 - 2483 5150 - 5875	5150 - 5875	5150 - 5875
Gain	6 dBi	8 dBi	4.5 dBi	7 dBi
VSWR	2.0:1 Max.	2.0:1 Max.	2.0:1 Max.	2.0:1 Max.
Polarisation	Linear, vertical	Linear, vertical	Linear, vertical	Linear, vertical
HPBW/Horizontal				
HPBW/Vertical				
Connector	RP-SMA plug	N type plug	N type jack	N type jack
Temperature	-10°C to 55°C/14°F to 131°F	-10°C to 70°C/14°F to 158°F	-40°C to 80°C/-40°F to 176°F	-40°C to 80°C/-40°F to 176°F
Weight (g/lb.)	110/0.24	70/0.15	206/0.46	700/1.54
Dimensions (mm/in.)	76 x 86 x 118/2.99 x 3.39 x 4.65	f 22 x 183	f 20 x 260	210 x 210 x 73/ 8.27 x 8.27 x 2.87
Accessory kit	<ul style="list-style-type: none"> Screw kit Quick installation guide 	-	<ul style="list-style-type: none"> Mounting kit Quick installation guide 	<ul style="list-style-type: none"> Mounting kit Quick installation guide

Model	ANT1310	ANT1313	ANT1314	ANT3315	ANT3316
Product Photo					
Space	Indoor	Outdoor	Outdoor	Outdoor	Outdoor
Frequency Band (MHz)	2300 - 2700	2400 - 2500	2400 - 2500	5150 - 5875	5150 - 5875
Gain	9 - 10 dBi	13 - 13.5 dBi	14 ±0.5 dBi	15 ±0.5 dBi	15 - 16 dBi
VSWR	1.5:1 Max.	2.0:1 Max.	2.0:1 Max.	2.0:1 Max.	2.0:1 Max.
Polarisation	Linear/Horizontal	Linear/Vertical	Cross polarization ±45°	Linear; ±45°	Linear, ±45°
HPBW/ Horizontal	51°	66°	33°	60°	19°
HPBW/ Vertical	66°	51°	35°	13°	8°
Side lobes level	-14 dB Max.	-14 dB Max.	-13 dB Max.	-	-5 dB Max.
Front to back ratio	-13 dB Max.	-13 dB Max.	-25 dB Max.	-25 dB Max.	-20 dB Max.
Connector	SMA jack x 2	N type jack x 2	N type jack x 2	N type jack x 2	N type jack x 2
Temperature	-10°C to 55°C/14°F to 131°F	-40°C to 80°C/ -40°F to 176°F			
Weight (g/lb.)	130/0.29	800/1.76	800/1.76	1.4/3.09	800/1.76
Dimensions (mm/in.)	ø133 x 42/ø5.24 x 1.65	210 x 210 x 73/ 8.27 x 8.27 x 2.87	560 x 120 x 145/ 22.04 x 4.72 x 5.71	560 x 120 x 145/ 22.04 x 4.72 x 5.71	210 x 210 x 73/ 8.27 x 8.27 x 2.87
Accessory kit	<ul style="list-style-type: none"> • Mounting kit • Quick installation guide 	<ul style="list-style-type: none"> • Mounting kit • Quick installation guide 	<ul style="list-style-type: none"> • Mounting kit • Quick installation guide 	<ul style="list-style-type: none"> • Mounting kit • Quick installation guide 	<ul style="list-style-type: none"> • Mounting kit • Quick installation guide

Cable

Product	LMR 200-N	LMR 400-N	EXT-300	Product	Ceiling Mounting Kit
Product Photo				Product Photo	
Description	RP-SMA plug to N-plug Cable length: 3 m, 9 m	N-plug to N-plug Cable length: 1 m, 9 m	RP-SMA plug, N-jack (Jumper Cable)/ N-plug, N-jack (Surge Arrestor): 0.5 m	Description	For NWA3160-N, NWA3560-N

Wireless LAN License

Item	Description	For
Managed AP Scalability	The NXC2500 Managed AP License increases the number of APs that can be managed by the NXC2500. The maximum number of APs supported is 64*.	NXC2500
	The NXC5500 Managed AP License increases the number of APs that can be managed by the NXC5500. The maximum number of APs supported is 512.	NXC5500
ZyMESH	This license enables the ZyMESH function on the NXC5500 and NXC2500.	NXC2500 NXC5500

* Management of 64 APs is supported with firmware version V4.10 or above

Corporate Headquarters

ZyXEL Communications Corp.

Tel: +886-3-578-3942
Fax: +886-3-578-2439
Email: sales@zyxel.com.tw
<http://www.zyxel.com>

■ Europe

ZyXEL Belarus
Tel: +375 17 334 6099
Fax: +375 17 334 5899
Email: sales@zyxel.by
<http://www.zyxel.by>

ZyXEL BeNeLux
Tel: +31 23 555 3689
Fax: +31 23 557 8492
Email: sales@zyxel.nl
[http://www.zyxel.be](http://www.zyxel.nl)

ZyXEL Bulgaria
(**Bulgaria, Macedonia, Albania, Kosovo**)
Tel: +3592 4443343
Email: info@zyxel.bg
<http://www.zyxel.bg>

ZyXEL Czech Republic
Tel: +420 241 091 350
Hotline: +420 241 774 665
Fax: +420 241 091 359
Email: sales@cz.zyxel.com
<http://www.zyxel.cz>

ZyXEL Denmark A/S
Tel: +45 39 55 07 00
Fax: +45 39 55 07 07
Email: sales@zyxel.dk
<http://www.zyxel.dk>

ZyXEL Finland
Tel: +358 9 4780 8400
Email: myynti@zyxel.fi
<http://www.zyxel.fi>

ZyXEL France
Tel: +33 (0)4 72 52 97 97
Fax: +33 (0)4 72 52 19 20
Email: info@zyxel.fr
<http://www.zyxel.fr>

ZyXEL Germany GmbH
Tel: +49 (0) 2405-6909 0
Fax: +49 (0) 2405-6909 99
Email: sales@zyxel.de
<http://www.zyxel.de>

ZyXEL Hungary & SEE
Tel: +36 1 336 1640
Fax: +36 1 325 9100
Email: info@zyxel.hu
<http://www.zyxel.hu>

ZyXEL Italy
Tel: 800 99 26 04
Fax: +39 011 274 7647
Email: sales@zyxel.it
<http://www.zyxel.it>

ZyXEL Norway
Tel: +47 22 80 61 80
Fax: +47 22 80 61 81
Email: salg@zyxel.no
<http://www.zyxel.no>

ZyXEL Poland
Tel: +48 223 338 250
Hotline: +48 226 521 626
Fax: +48 223 338 251
Email: info@pl.zyxel.com
<http://www.zyxel.pl>

ZyXEL Romania
Tel: +40 31 0809 888
Fax: +40 31 0809 890
Email: info@zyxel.ro
<http://www.zyxel.ro>

ZyXEL Russia
Tel: +7 (495) 542-8920
Fax: +7 (495) 542-8925
Email: info@zyxel.ru
<http://www.zyxel.ru>

ZyXEL Slovakia
Tel: +421 243 193 989
Hotline: +421 220 861 848
Fax: +421 243 193 990
Email: sales@sk.zyxel.com
<http://www.zyxel.sk>

ZyXEL Spain
Tel: +34 902 195 420
Fax: +34 913 005 345
Email: sales@zyxel.es
<http://www.zyxel.es>

ZyXEL Sweden A/S
Tel: +46 8 55 77 60 60
Fax: +46 8 55 77 60 61
Email: sales@zyxel.se
<http://www.zyxel.se>

ZyXEL Switzerland
Tel: +41 (0)44 806 51 00
Fax: +41 (0)44 806 52 00
Email: info@zyxel.ch
<http://www.zyxel.ch>

ZyXEL Turkey A.S.
Tel: +90 212 314 18 00
Fax: +90 212 220 25 26
Email: bilgi@zyxel.com.tr
<http://www.zyxel.com.tr>

ZyXEL UK Ltd.
Tel: +44 (0) 118 9121 700
Fax: +44 (0) 118 9797 277
Email: sales@zyxel.co.uk
<http://www.zyxel.co.uk>

ZyXEL Ukraine
Tel: +380 44 494 49 31
Fax: +380 44 494 49 32
Email: sales@ua.zyxel.com
<http://www.ua.zyxel.com>

■ Asia

ZyXEL China (Shanghai)
China Headquarters
Tel: +86-021-61199055
Fax: +86-021-52069033
Email: sales@zyxel.cn
<http://www.zyxel.cn>

ZyXEL China (Beijing)
Tel: +86-010-62602249
Email: sales@zyxel.cn
<http://www.zyxel.cn>

ZyXEL China (Tianjin)
Tel: +86-022-87890440
Fax: +86-022-87892304
Email: sales@zyxel.cn
<http://www.zyxel.cn>

ZyXEL India
Tel: +91-11-4760-8800
Fax: +91-11-4052-3393
Email: info@zyxel.in
<http://www.zyxel.in>

ZyXEL Kazakhstan
Tel: +7-727-2-590-699
Email: info@zyxel.kz
<http://www.zyxel.kz>

ZyXEL Korea Corp.
Tel: +82-2-890-5535
Fax: +82-2-890-5537
Email: sales@zyxel.kr
<http://www.zyxel.kr>

ZyXEL Malaysia

Tel: +603 2282 1111

Fax: +603 2287 2611

Email: sales@zyxel.com.my

<http://www.zyxel.com.my>

ZyXEL Middle East FZE
Tel: +971 4 372 4483
Cell: +971 562146416
Email: sales@zyxel-me.com
<http://www.zyxel-me.com>

ZyXEL Philippine
Email: sales@zyxel.com.ph
<http://www.zyxel.com.ph>

ZyXEL Singapore
Tel: +65 6339 3218
Hotline: +65 6339 1663
Fax: +65 6339 3318
Email: sales@zyxel.com.sg
<http://www.zyxel.com.sg>

ZyXEL Taiwan (Taipei)
Tel: +886-2-2739-9889
Fax: +886-2-2735-3220
Email: sales_tw@zyxel.com.tw
<http://www.zyxel.com.tw>

ZyXEL Thailand
Tel: +6-(0)-2831-5315
Fax: +66-(0)-2831-5395
Email: info@zyxel.co.th
<http://www.zyxel.co.th>

ZyXEL Vietnam
Tel: +(84) 35202910
Fax: +(84) 35202800
Email: sales_vn@zyxel.com.tw
<http://www.zyxel.com.vn/vi/>

■ The Americas

ZyXEL USA
North America Headquarters
Tel: +1-714-632-0882
Fax: +1-714-632-0858
Email: sales@zyxel.com
<http://us.zyxel.com>



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