Model Name	Wireless Service Gateway Series	
	VSG-1200v2	G-4100v2
Main Design		
Wireless Technology	N/A	802.11g
Number of 10/100M LAN/Switch	1	4
WAN	1	1
PoE		Yes
PoE Power Draw		6 W
WLAN Features (G-4100 v2 only)		
802.11b/g		Yes
Number of Antenna		2
Maximum Throughput		22 ~ 24 Mbps
WEP		Yes
WPA (Wi-Fi Certified)		Yes
WPA2 (Wi-Fi Certified)		Yes
Others Features		
Built-in Authentication	Yes	Yes
RADIUS Authentication Support	Yes	Yes
IP Plug-and-play	Yes	Yes
Layer-2 Isolation	Yes	Yes
Customization Log-in Page	Yes	Yes
Max. Concurrent User	250	100
PMS Integration	Yes	
Ticket Printer-SP300E	- Button x 3 - Input: 5 V DC, 2.5 A - Paper Width: 58 (+0/-1) mm - Paper length (max.): 50 meters - Support 802.3af Power over Ethernet	

Accessories

Antenna

Model	EXT-108	EXT-109	EXT-114	EXT-118	ANT2206	ANT3108	ANT3218
Product Picture							
Frequency Band	2400 ~ 2500 MHz	2400 ~ 2500 MHz	2400 ~ 2500 MHz	2400 ~ 2500 MHz	2400 ~ 2500 MHz	2400 ~ 2500 MHz	2400 ~ 2500 MHz
Gain1	8 dBi	9 dBi (peak)	14 dBi	18 dBi	6 dBi	8 dBi	8 dBi
VSWR	2.0:1 Max	1.5:1 Max	1.5:1 Max	1.5:1 Max	2.0:1 Max	2.0:1 Max	2.0:1 Max
Polarization	Linear, vertical	Linear, vertical	Linear, vertical	Linear, vertical	Linear, vertical	Linear, vertical	Linear, vertical
HPBW/Horizontal	360°	65°	30°	15°	65°	50°	360°
HPBW/Vertical	15°	60°	30°	5°	75°	50°	20°
Front to Back Ratio	N/A	15 dB	15 dB	26 dB	12 dB	N/A	25dB
Impedance	50 Ω	50 Ω	50 Ω	50 Ω	50 Ω	50 Ω	50 Ω
Connector	N type jack	N type jack	N type female	N type female	RP SMA Plug	N type female	N type Jack
Survival Wind Speed	216 km/hr	216 km/hr	216 km/hr	180 km/hr		216 km/hr	216 km/hr
Temperature	-40°C to 80°C	-40°C to 80°C	-40°C to 80°C	-40°C to 80°C	-10°C to 55°C	-40°C to 80°C	-40°C to 80°C
Humidity	95% at 25°C	95% at 55°C	95% at 55°C	95% at 55°C	95% at 55°C	95% at 55°C	95% at 55°C
Radome Color	Gray-white	Gray-white	White	White	White, Black	White	Gray-white
Radome Material	Fiber glass	ABS	ABS, UV resistant	ABS, UV resistant	ABS, UV resist	ABS, UV resist	ABS, UV resist
Weight	337 g	107 g	407 g	1.6 kg	110 g	206 g	640 g
Dimensions	f 19 x 250 mm	114 x 114 x 40 mm	200 x 200 x 50 mm	360 x 360 x 16 mm	76 x 86 x 118 mm	f 20 x 260 mm	210 x 210 x 73 mm

Cable

Product	LMR 200	LMR 400	Cable Kit for Outdoor AP	EXT-300
Product Picture				
Specifications	RP-SMA plug to N-plug	N-plug to N-plug	RJ-45 CAT 5e STB Cable w/ Water-Proof cover 15 m	Jumper Cable & Surge Arrstor

Others

Product	Ceiling Mounting Kit	NWA3550 Mounting Kit	PSE Kits
Product Picture			
Specifications	For NWA-3160, NWA-3163, NWA-3165, NWA-3500	For NWA3550	- Input: AC 100 V to AC 240 V - Output: 48 Vdc/350 mA (IEEE 802.3af compliant) 48 Vdc/500 mA 24 Vdc/800 mA 18 Vdc/1 A - Operation Temperature -40°C to 85°C - Storage Temperature -10°C to 70°C - Operation Humidity 5% to 90%

For more product information, visit us on the web at www.ZyXEL.com

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Wireless LAN
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2009

Wireless LAN Quick Finder

Segment	Management	Features	Model
Medium Business	• Web Managed • SNMP Management	• Extended Range • 2.4 GHz Support	NWA1100
		• Dual-band Support	NWA-3100
		• Wide Bandwidth Required	NWA-3165
Medium Business to Enterprise	• CAPWAP Supported • Centralized Management	• Hybrid AP: Controller/Managed AP/Stand-alone AP	NWA-3160
		• Hybrid AP: Controller/Managed AP/Stand-alone AP • Extended Range	NWA-3163
		• Hybrid AP: Controller/Managed AP/Stand-alone AP	NWA-3166
		• Hybrid AP: Controller/Managed AP/Stand-alone AP • Dual Radio Support	NWA-3500
		• Hybrid AP: Controller/Managed AP/Stand-alone AP • Dual Radio Support • Outdoor Extension	NWA3550
	• Critical Roaming • Centralized Management	• WLAN Switch	NXC-8160
		• Managed AP	NWA-8500
Hospitality	Hot-Spot Service		G-4100v2
	Hotel/Campus		VSG-1200v2

Model Names	Description	Typical Application	WLAN Features	Competitive Products
NWA1100	Web-Managed AP	Secure and Reliable WLAN Connectivity for Small to Medium Businesses	Extended Range (802.11b/g)	HP ProCurve Access Point 10AG Netgear WG102
NWA-3100	Web-Managed AP	Dual-band operation with secure and reliable WLAN networking	Single Radio (802.11a/b/g)	HP ProCurve Access Point 420 3Com Wireless 7760 CISCO Aironet 1100
NWA-3165	Web-Managed AP	Dead-Spot Elimination by MIMO Technology	Single Radio (802.11b/g/n)	Linksys WAP4400N Aruba AP-125
NWA-3160	Hybrid AP	World's No.1 multi-role AP for reliable, secure and flexible deployment	Single Radio (802.11a/b/g)	HP ProCurve Access Point 420
NWA-3163	Hybrid AP	Optimized design for reaching out the Wi-Fi service field	Extended Range (802.11b/g)	HP ProCurve Access Point 420 3Com Wireless 7760 Cisco Aironet 1100
NWA-3166	Hybrid AP	Advanced bandwidth and converge with flexible scalability	Single Radio (802.11a/g/n)	3Com AirConnect 9550 Cisco Aironet 1250
NWA-3500	Hybrid AP	Concurrent 2.4 & 5 GHz Wi-Fi Convergence for Enterprise Applications	Dual Radio (802.11a&g)	HP ProCurve Access Point 530 WW 3Com Wireless 8760 Cisco Aironet 1130AG
NWA3550	Hybrid AP	Outdoor AP to Extend the Wi-Fi Coverage	Dual Radio (802.11a&g)	3Com 3CRWEASYA73 Cisco Aironet 1240AG
NXC-8160 (WLAN Switch) & NWA-8500 (Managed AP)	WLAN Switch	Unique Interference-Free Architecture for High-Density Deployment	802.11a/b/g (NWA-8500)	Aruba MC200/800 Cisco 2100 Series
G-4100v2	Service Gateway	Wi-Fi enabled HotSpot Gateway	802.11g	Nomadix AG3100 IP3 NA-Xe
VSG-1200v2	Service Gateway	AAA and PMS Integrate-able Internet Service Gateway	N/A	Nomadix AG5100 IP3 NA-Xi

Wireless LAN Feature Matrix

Model Name	Wireless LAN Access Points 1000 Series	Wireless LAN Access Points 3000 Series							Wireless LAN Controller Series & Wireless LAN Access Points 8000 Series
	NWA1100	NWA-3165	NWA-3100	NWA-3160	NWA-3163	NWA-3166	NWA-3500	NWA3550	NXC-8160 (WLAN Switch) & NWA-8500 (Managed AP)
Main Design									
Wireless Technology	802.11g	802.11n Draft 2.0	802.11a/b/g	802.11a/b/g	802.11b/g	802.11n Draft 2.0	802.11a&g	802.11a&g	802.11a/b/g (NWA-8500)
Radio	1	1	1	1	1	1	2	2	2
High Power	Yes				Yes				
Number of Antenna	2	3	2	2	2	3	2	2 N-type Connectors	4
LAN & WAN									
Number of 10/100M LAN/Switch	1	1	1	1	1	1	1	1	8 (Support up to 8 NWA-8500)
PoE	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PoE Power Draw	7.2 W	7.6 W	6.3 W	6.5 W	6.9 W	7.8 W	7.3 W	16.2 W	7.5 W
WLAN Features									
Maximum Net Throughput	22 ~ 44 Mbps	100 ~ 110 Mbps	Up to 33 Mbps	Up to 33 Mbps	Up to 33 Mbps	100 ~110 Mbps	Up to 33 Mbps	Up to 33 Mbps	22 ~ 44 Mbps
WMM (Wi-Fi Certified)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Compatible
WEP	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WPA (Wi-Fi Certified)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Compatible
WPA2 (Wi-Fi Certified)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Compatible
Rogue AP Detection		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Draft n (Wi-Fi Certified)		Yes				Yes			
WLAN Management									
Controller			Yes		Yes				Yes
Managed AP		Yes		Yes	Yes	Yes	Yes	Yes	
Others									
Plenum Rating		Yes	Yes	Yes	Yes				