

## Switching Battle Card

ZyXel offers complete switching portfolio ranging from unmanaged, smart managed to fully managed, with competitive price for SMB. This battle card can help you to choose which ZyXel's top-selling switches (using 24-port model for the comparison) can fit your office well.

### Feature highlights



#### Flexible Port Configuration

Combo port design provides unique advantage in port configuration. ZyXel GS1920-24v2/ GS2220-28 has unique 28 GE copper port at max.



#### Flexible Cloud Management

ZyXel switches support both standalone and cloud based management. Nebula cloud management provides zero touch provisioning and remote monitoring without the need of additional hardware.



#### Less Noise Switch Design

ZyXel switches endeavor to deliver near silence operation so they come with fanless design or smart fan which can automatically adjusts its fan speed based on the device temperature.



#### Zyxel One Network

We provide a complimentary and unified software ZON Utility supporting ZyXel products from the Switch, WLAN to Gateway with ease of use. All ZyXel business networking products can show how they're connected to each other and provide quick links to neighbor devices to facilitate network management and troubleshooting through Smart Connect feature.

### Comparison by customer type

	Basic	Wants your Advice	Top Account
Lead with	<b>GS1900*</b> <small>* With cloud option: GS1915</small>	<b>XGS1930</b>	<b>XGS2220</b>
Price driven	<b>GS1100</b>	<b>GS1920V2</b>	<b>GS2220</b>

**Basic**  
Price is the main concern for the "Basic" customers, and the "Basic" customers perform the implementation by themselves.

**Wants your Advice**  
The customers buy a comprehensive solution rather than just a product. They make decisions based on the ZyXel partner's advice. They share their challenges and rely on the advice of the ZyXel partner.

**Top Account**  
IT-infrastructure is of primary importance for this type of customer. IT is a strategic asset used to reach business objectives. They collaborate closely with their ZyXel partner to work on an architecture that helps them differentiate and be more competitive.

### Competitive switching comparison by SKU

ZyXel	Cisco SB	D Link	HPE	NETGEAR
<b>GS1100-24</b>	CBS110-24T	DGS-1024D	1420-24GbE-2SFP	JGS524v2
<b>GS1900-24HPv2</b> <b>*GS1915-24EP</b>	CBS220-24P-4G	DGS-1210-28P	1820-24G-PoE+ *Aruba Instant On 1830 24G 12p	GS724TPv2
<b>GS1920-24HPv2</b>	CBS250-24FP-4G	DGS-1210-28MP	1920S-24G-PoE+ 2SFP	GS728TPv2
<b>XGS1930-28HP</b>	CBS250-24FP-4X	DGS-1250-28XMP	Aruba 1930 24G Class4 PoE 4SFP/SFP+ 370W	N/A
<b>GS2220-28HP</b>	CBS350-24FP-4G	DGS-3000-28LP	2530-24G-PoE+	M4250-26G4F-PoE+
<b>XGS2220-30HP</b>	CBS350-24MGP-4X	DGS-1520-28MP	Aruba 1960 24G 20p Class4 4p Class6 PoE 2XGT 2SFP+	M4250-26G4XF-POE+

## Competitive switching comparison by SKU

### GS1900 Series

Brand & model	Zyxel GS1900-24HPv2	Cisco SB CBS220-24P-4G	D Link DGS-1210-28P	HPE 1820-24G-PoE+	NEATGEAR GS724TPv2
Number of ports	24G copper + 2 SFP	24G cooper + 4 SFP	Up to 28G copper ports (24G + 4G combo)	24G copper + 2 SFP	24G copper + 2 SFP
PoE	24 port PoE+	24 port PoE+	24 port PoE+	12 port PoE+	24 port PoE+
PoE power budget	170 W	195 W	193 W	185 W	190 W
Acoustic noise	22.1 dBA	42.7 dBA	44.9 dBA	36 dBA	32.4 dBA
Initial setup wizard	Yes	No	No	No	No
Unified installation tool	ZON Utility	Cisco Business Dashboard	DNA	No	Smart control center (Switch only)
Network visibility feature	Smart Connect	No	No	No	No

**GS1915 Series**

Brand & model	Zyxel GS1915-24EP	HPE Aruba Instant On 1830 24G 12p Class4 PoE 2SFP 195W	Ubiquiti USW-24-PoE
Number of ports	24G copper	24G Cooper + 2 SFP	24G Cooper + 2 SFP
PoE	12 port PoE+	12 port PoE+	16 port PoE+
PoE power budget	130 W	195W	95W
Acoustic noise	19 dBA	17 dBA	Fanless
Hybrid mode (Cloud & Standalone)	Both Cloud and Standalone	Both Cloud and Standalone	Cloud only
Initial setup wizard	Yes	Yes	No
Unified installation tool	ZON Utility	No	No
Network visibility feature	Smart Connect	No	No

**GS1920v2 Series**

Brand & model	Zyxel GS1920-24HPv2	Cisco SB CBS250-24FP-4G	D Link DGS-1210-28MP	HPE 1920S-24G-PoE+ 2SFP	NEATGEAR GS728TPPv2
Number of ports	Up to 28G copper ports (24G + 4G combo)	24G cooper + 4 SFP	Up to 28G copper ports (24G + 4G combo)	24G copper ports + 2 SFP	24G copper ports + 4 SFP
PoE	24 port PoE+	24 port PoE+	24 port PoE+	24 port PoE+	24port PoE+
PoE power budget	375 W	370W	370W	370W	380 W
Acoustic noise	27.2dBA	34.8 dBA	44.9 dBA	45 dBA	33.42 dBA
Hybrid mode (Cloud & Standalone)	Both Cloud and Standalone	Standalone only	Standalone only	Standalone only	Both Cloud and Standalone
Unified installation tool	ZON Utility	Cisco Business Dashboard	DNA	No	Smart control center (Switch only)
Network visibility feature	Smart Connect	No	No	No	No
Restore to Last custom default	Yes	No	No	No	No

## XGS1930 Series

Brand & model		Zyxel XGS1930-28HP	Cisco SB CBS250-24FP-4X	D Link DGS-1250-28XMP	HPE Aruba 1930 24G Class4 PoE 4SFP/SFP+ 370W
Number of ports		24G copper + 4SFP+	24 Cooper + 4 SFP+	24G copper + 4 SFP+	24 copper + 4 SFP+
L3 forwarding table		512	32	124/50	32
PoE		24 port PoE+	24 port PoE+	24 port PoE+	24 port PoE+
PoE power budget		375 W	370 W	370 W	370 W
Acoustic noise		28.5 dBA	34.8 dBA	42 dBA	23 dBA
Hybrid mode (Cloud & Standalone)		Both Cloud and Standalone	Standalone only	Standalone only	Both Cloud and Standalone
Unified installation tool		ZON Utility	Cisco Business Dashboard	DNA	No
Multiple troubleshoot options	Console	Yes	Yes	Yes	No
	SSH/Telnet	Yes	Yes	Yes	No
	Recovery to Last custom default	Yes	No	No	No

Multiple troubleshoot options provide flexibility to save users time & effort, whether to easily recover from error state, or using console/CLI to further identify issues.

## GS2220 Series

Brand & model	Zyxel GS2220-28HP	Cisco SB CBS350-24FP-4G	D Link DGS-3000-28LP	HPE 2530-24G-PoE+	NETGEAR M4250-26G4F-PoE+
Number of ports	Up to 28G copper ports (24G + 4G Combo)	24G Cooper + 4 SFP	24G Cooper + 4 SFP	24G Cooper	26G Cooper + 4 SFP
PoE power budget	375 W	370 W	193W	195 W	300W
Acoustic noise	27.2 dBA	34.8 dBA	47.4 dBA	40 dBA	28 dBA
Hybrid mode (Cloud & Standalone)	Both Cloud and Standalone	Standalone only	Standalone only	Standalone only	Standalone only
Unified installation tool	ZON Utility	Cisco Business Dashboard	DNA (Switch only)	No	No
Network visibility feature	Smart Connect	No	No	No	No
Recovery to Last custom default	Yes	No	No	No	No

## XGS2220 Series

Brand & model		Zyxel XGS2220-30HP	Cisco SB CBS350-24MGP-4X	D Link DGS-1520-28MP	HPE Aruba 1960 24G 20p Class4 4p Class6 PoE 2XGT 2SFP+	NEATGEAR M4250-26G4XF-POE+
10G Uplink ports		6	4	4	4	4
Number of ports		24G Cooper + 2 x 10G Multi-Gig Cooper + 4 SFP+	20G Cooper + 4 x 2.5G Multi-Gig Cooper + 4 x 10G (2 combo+2 SFP+)	20G Cooper + 4 x 2.5G Multi-Gig Cooper + 4 x 10G (2 cooper + 2 SFP+)	24G Cooper + 4 x 10G (2 cooper + 2 SFP+)	24G Copper + 4 x 10G (4 SFP+)
L3 forwarding table		1 K	128	4 K	509	894
MAC address table		32 K	16 K	16 K	16 K	16 K
PoE		16 port PoE+ 10 port PoE++(60W)	20 port PoE+ 4 port PoE++(60W)	24 port PoE+	20 port PoE+ 4 port PoE++(60W)	24 port PoE+
PoE power budget		400W	375 W	370 W	370 W	480W
Stacking		Yes*	Yes	Yes	Yes	No
Hybrid mode (Cloud & Standalone)		Both Cloud and Standalone	Standalone only	Standalone only	Both Cloud and Standalone	Standalone only
Unified installation tool		ZON Utility	Cisco Business Dashboard	DNA D-View	No	No
Multiple troubleshoot options	Console	USB-C**	RJ-45	RS-232 to RJ-45	No	USB-C
	Recovery to Last custom default	Yes	No	No	No	No

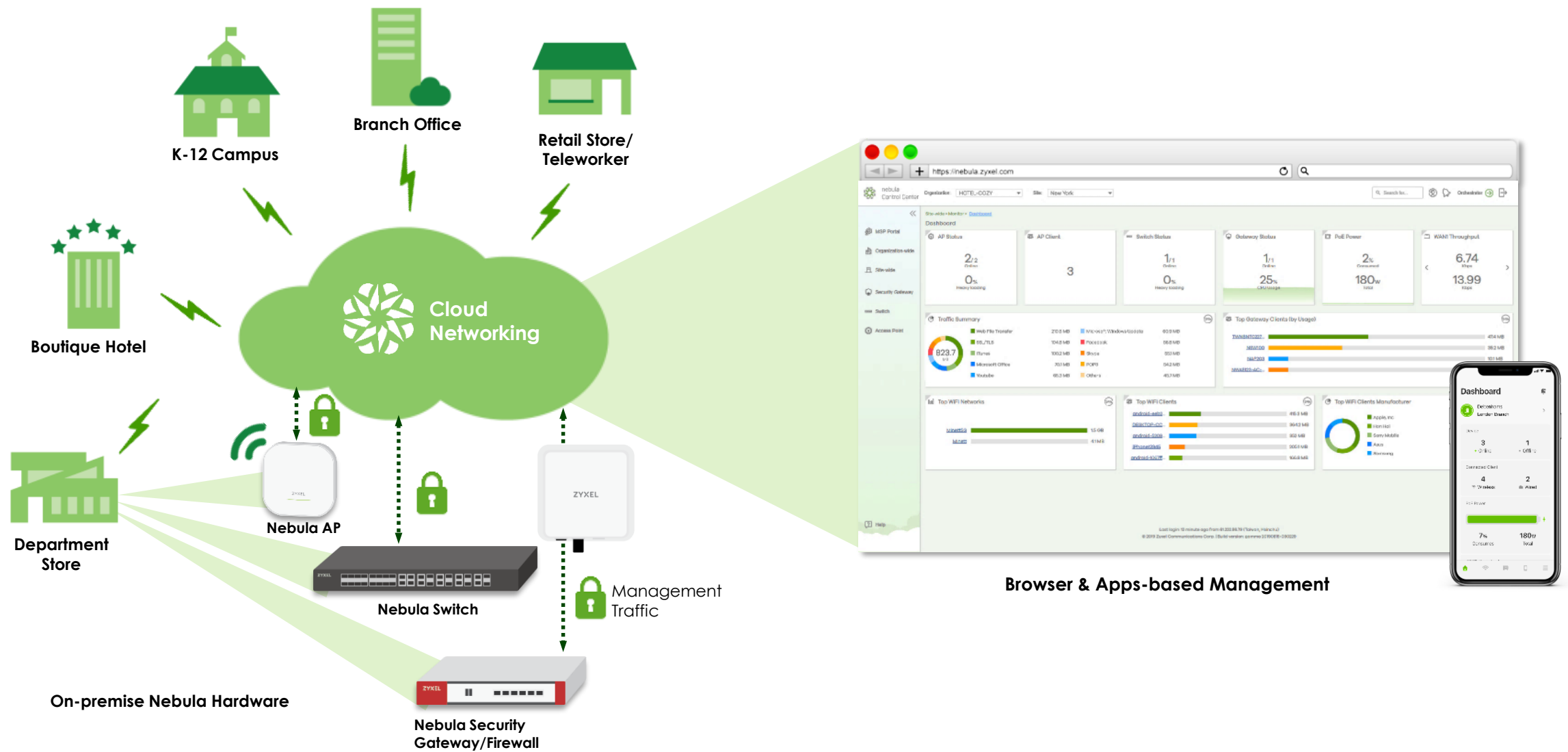
Multiple troubleshoot options provide flexibility to save users time & effort, whether to easily recover from error state, or using console/CLI to further identify issues.

\* Future release

\*\* USB-C is a convenient option that helps users to get the cable easily.

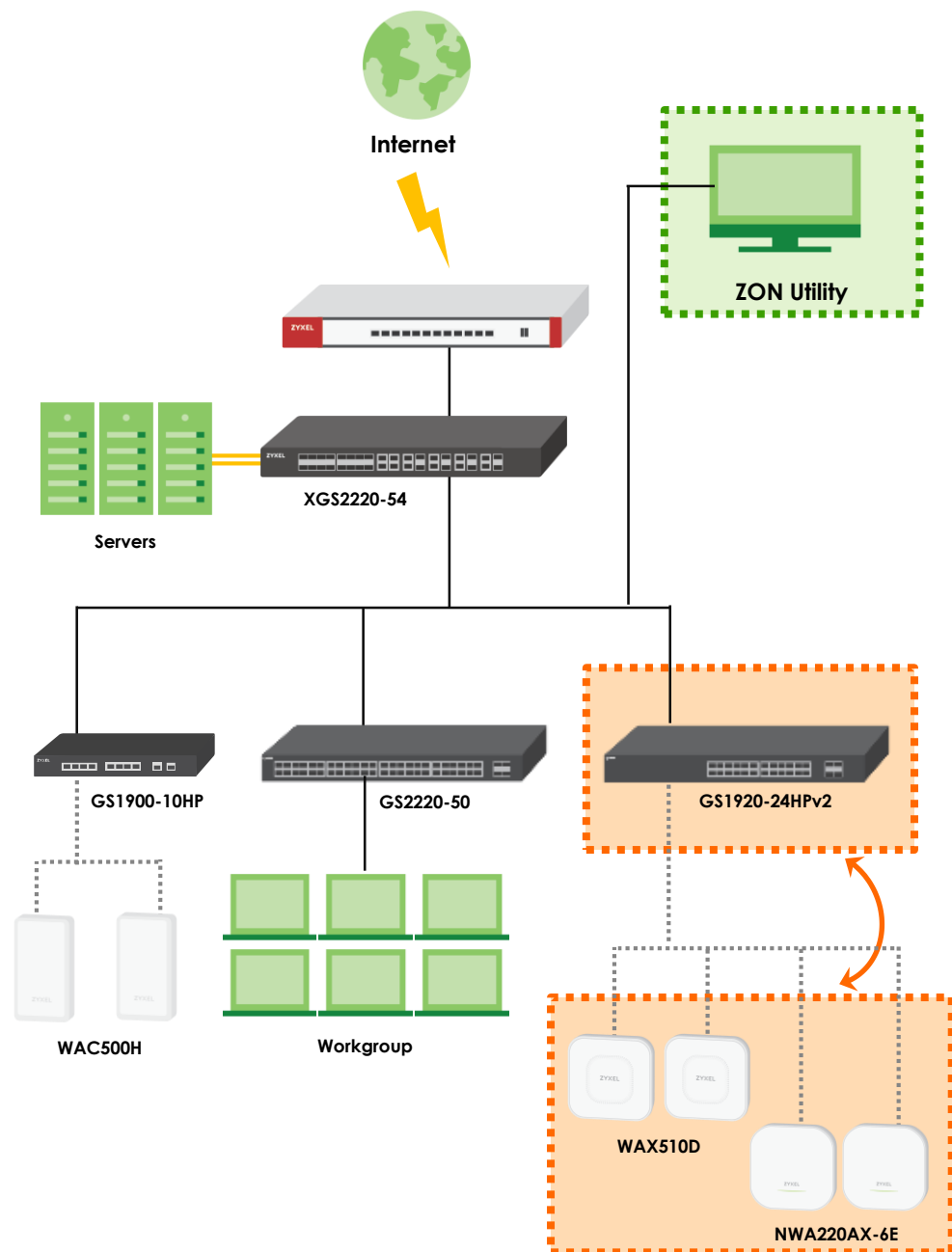
## Nebula Solution Overview

- ✓ Unified and centralized control & visibility
- ✓ No software, hardware controller needed
- ✓ Covers wired, wireless and security
- ✓ Zero-touch provisioning, plug and play
- ✓ Free cloud management, seamlessly upgrade to advanced features with Professional Pack licenses



Browser & Apps-based Management

## Introducing ZON Utility & Zyxel Smart connect For Standalone Management



### ZON Utility

- Discover Zyxel switch, WLAN AP & gateway in the network.
- Windows based utility, downloadable on zyxel.com.
- Facilitate initial set-up such as IP assignment or FW upgrade.
- Unified user experience in building a network.
- Simplified configuration in single platform.



### Zyxel Smart Connect

- Intuitive display neighbor devices connected to the switch, AP or gateway.
- In device GUI. No need to install additional software.
- Further functions of setting to factory default or doing power cycle to ZyxelAP.
- Access Web GUI of connected devices with one-click.

