▶L3 Aggregation Switch

48-port 10G/25G

with 8 100G Uplink

28/48-port GbE

L3 Aggregation

Switch with

4 10G Uplink

XS3800-28

28-port 10G

Multi-Gigabit

L3 Aggregation

▶L3 Access Switch

24/48-port GbE

▶L2+ Switch

GS2220-10/10HF

GS2220-28/28HI

GS2220-50/50H

GbE L2+ Managed

GS1935-52/52H

24/48-port GbE

Managed Switch

with 4 10G Uplink

XS1930-10/12HP/12F

Lite-L3 Smart

8/10-port 10G

Multi-Gigabit

Lite-L3 Smart

24-port 2.5G

Multi-Gigabit

Lite-L3 Smart

Managed Switch

with 6 10G Uplink

(4 Copper/2 SFP+)

31920-24v2/24HPv

S1920-48v2/48HF

8/24/48-port GbE

Smart Managed

S1920-8HPv2

Managed Switch

with 2/4 10G Uplink

XMG1930-30/30HP

▶Smart Managed Switch

10/28/50-port

Switch with

**BE Uplink** 

L3 Access Switch

with 6 10G Uplink

(2 Copper/4 SFP+)

XGS2220-30/30F/30HF

XGS2220-54/54HP/54FP

XGS4600-32/32F/52F

L3 Aggregation

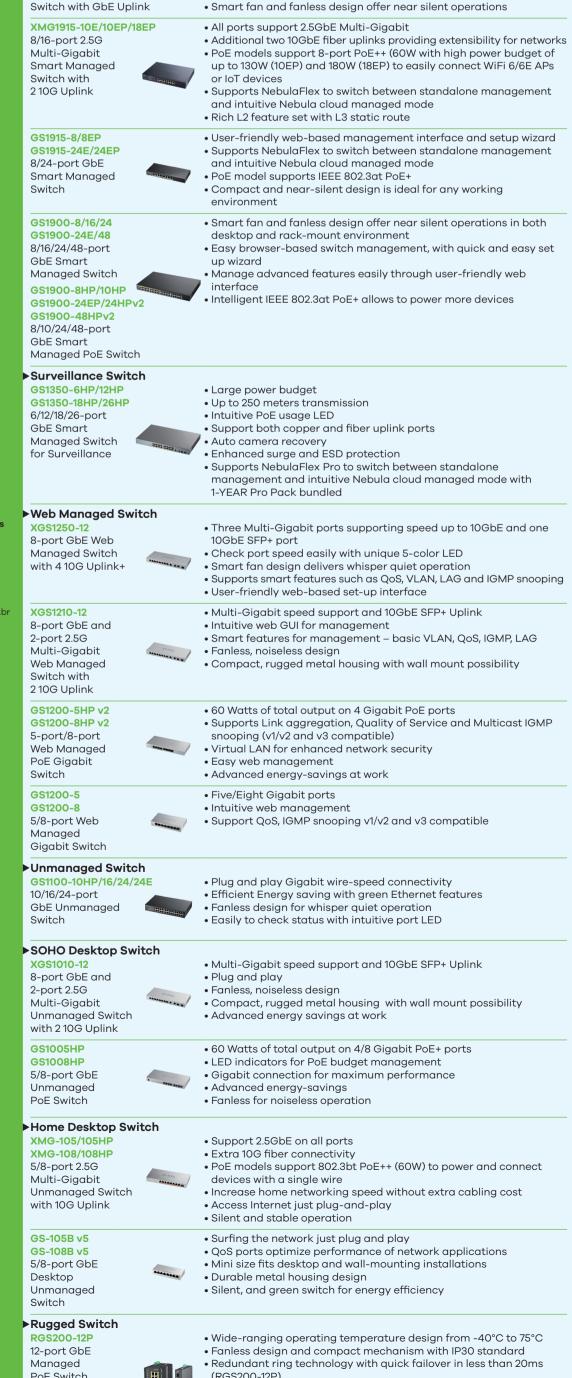
Fiber Switch

www.zvxel-me.com Email: apac.sales@: Email: sales tw@zvxel Zyxel Thailand Tel: +66-(0)-2831-5315 Fax: +66-(0)-2831-5395 Email: info@zyxel.co.th Tel: (+848) 35202910 Fax: (+848) 35202800 Email: sales\_vn@zyxel.com.t For more product information, visit us on the web at www.zyxel.com Copyright @ 2024 Zyxel and/or its affiliates. All rights reserved Il specifications are subject to change without notice.

## Security Firewall and Gateway WLAN AP and Controller • Licensed Service Mobile Broadband/FWA • DSL CPE • In-Building Cellular Coverage • Service & Application 2025

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orporate H	eadquarters		
xel Networks Corp. l: +886-3-578-3942 x: +886-3-578-2439 nail: sales@zyxel.com.tw vw.zyxel.com			
urope		Asia	The Americas
xel Belarus l: +375 25 604 3739 nail: info@zyxel.by vw.zyxel.by	Zyxel Norway Tel: +47 22 80 61 80 Fax: +47 22 80 61 81 Email: salg@zyxel.no www.zyxel.no	Zyxel China (Shanghai) China Headquarters Tel: +86-021-61199055 Fax: +86-021-52069033 Email: sales@zyxel.cn www.zyxel.cn	Zyxel USA North America Headq Tel: +1-714-632-0882 Emcil: sales@zyxel.col us.zyxel.com
xel BeNeLux l: +31 23 555 3689 x: +31 23 557 8492 nail: sales@zyxel.nl vw.zyxel.nl vw.zyxel.be	Zyxel Poland Tel: +48 223 338 250 Hotline: +48 226 521 626 Fax: +48 223 338 251 Email: info@pl.zyxel.com www.zyxel.pl	Zyxel China (Beijing) Tel: +86-010-62602249 Email: sales@zyxel.cn www.zyxel.cn	Zyxel Brazil Tel: +55 (11) 3373-7470 Fax: +55 (11) 3373-7510 Email: comercial@zyx www.zyxel.com/br/pt/
xel Bulgaria ulgaria, Macedonia, bania, Kosovo) l: +3592 4443343 nail: info@cz.zyxel.com vw.zyxel.bg	<b>Zyxel Romania</b> Tel: +40 770 065 879 Email: info@zyxel.ro www.zyxel.ro	Zyxel China (Tianjin) Tel: +86-022-87890440 Fax: +86-022-87892304 Email: sales@zyxel.cn www.zyxel.cn	
xel Czech Republic l: +420 725 567 244 l: +420 606 795 453 ndi: sales@cz.zyxel.com pport: tps://support.zyxel.eu ww.zyxel.cz	<b>Zyxel Russia</b> Tel: +7 499 705 6106 Email: info@zyxel.ru www.zyxel.ru	Zyxel India Tel: +91-11-4760-8800 Fax: +91-11-4052-3393 Email: info@zyxel.in www.zyxel.in	
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xel Finland I: +358 9 4780 8400 nail: myynti@zyxel.fi vw.zyxel.fi	<b>Zyxel Sweden A/S</b> Tel: +46 8 55 77 60 60 Fax: +46 8 55 77 60 61 Email: sales@zyxel.se www.zyxel.se	Zyxel Korea Corp. Tel: +82-2-890-5535 Fax: +82-2-890-5537 Email: sales@zyxel.kr www.zyxel.kr	
xel France l: +33 (0)4 72 52 97 97 x: +33 (0)4 72 52 19 20 nail: info@zyxel.fr vw.zyxel.fr	<b>Zyxel Switzerland</b> Tel: +41 (0)44 806 51 00 Fax: +41 (0)44 806 52 00 Email: info@zyxel.ch www.zyxel.ch	Zyxel Malaysia Tel: +603 2282 1111 Fax: +603 2287 2611 Email: sales@zyxel.com.my www.zyxel.com.my	
xel Germany GmbH l: +49 (0) 2405-6909 0 x: +49 (0) 2405-6909 99	<b>Zyxel Turkey A.S.</b> Tel: +90 212 314 18 00 Fax: +90 212 220 25 26 Email: bilgi@zyxel.com.tr	<b>Zyxel Middle East FZE</b> Tel: +971 4 372 4483 Cell: +971 562146416 Email: sqlass@zyyel_me.com	





riendly web	Triple-Radio NebulaFlex Pro Access Point
	WAX620D-6E AX5400 WiFi 6E Dual-Radio NebulaFlex Pro Access Point
dalone ed mode with	
o 10GbE and one	WAX650S AX3600 WiFi 6 Dual-Radio
n and IGMP snooping	NebulaFlex Pro Access Point
link	
oS, IGMP, LAG	
possibility	WAX630S AX3000 WiFi 6 Dual-Radio
d Multicast IGMP	NebulaFlex Pro Access Point
tible	WAX610D AX3000 WiFi 6 Dual-Radio NebulaFlex Pro Access Point
ires	
link t possibility	WAX510D AX1800 WiFi 6 Dual-Radio NebulaFlex Pro Access Point
rs .	

AX5400 WiFi 6

NebulaFlex Pro

AX3000 WiFi 6

Dual-Radio

Access Point

WAX300H

Dual-Radio

NebulaFlex

Access Point

Pro Wall-Plate

Outdoor

**▶**Switch Accessories

SR-E/LR/LR-E

SFP+ Transceiver

SFP-1000T/SX-D/

LX-10-E/LHX1310-40-D/

ZX-80-D/BX1310-10-D/

BX1310-E/BX1490-10-D

Gigabit SFP Transceiver

10G Network Adapter

PCIe Card with

10G Network Adapter

2.5GbE PoE+ Injector

►Wireless LAN Access Points - Ultimate

5GbE PoE++ Injector

10GbE PoE++ Injector

Single SFP+ Port

PCIe Card with

Cloud Outdoor/

PoE12-3PD

PoE12-30W

PoE12-60W

PoE12-90W

SURGEPRO-GE

Ethernet Surge

BE22000 WiFi 7

NebulaFlex Pro

Triple-Radio

Access Point

BE12300 WiFi 7

NebulaFlex Pro

Access Point

BE11000 WiFi 7

Pro Access Point

BE6500 WiFi 7

Dual-Radio

NebulaFlex Pro

Access Point

Triple-Radio

NebulaFlex

Dual-Radio

Protector

SX-E/LX-10-D/

**DAC10G-1M/3M** 

Cable

XGN100F

Direct Attached

10 Gigabit

Hot-Pluggable with maximum flexibility

Industry standard compliance

Compact size, high port density

High data transmit speed of 10G

Hyper-Fast 10Gbps networking

QoS for better traffic control

Easy 10G network upgrade

Up to 45W power budget

IEEE 802.3af/at/bt

Easy installation

for 6GHz

cellular networks

for 6GHz

Monitor status through Nebula

IP55 and 6KV surge protection

• Wide range temperature (-20 to 50°C)

• Supports network speed 10M/100M/1G

lightning-fast speeds up to 22Gbps

offer flexible powering options

interference and boost WiFi 7 performance

interference and boost WiFi 7 performance

blazingly fast speeds up to 11Gbps

infrastructure without re-cabling

(standalone, hardware controller and Nebula)

(standalone, hardware controller and Nebula)

10GbE super broadband

• Compatible with Windows/Linux

Maximum transmission distance: 1m/3m

Multi-Gigabit speed support (XGN100C)

• Temperature range 0°C to 70°C (32°F to 158°F)

• Faster and longer distance with SFP+ (XGN100F)

• 1X GbE PoE++ (60W) input port, 3X GbE PoE+ output ports

PoE12-90W: Complies with IEEE 802.3bt PoE++ standard

Robust level of Line-Line, Line-Ground protections

Easy plug-and-play desktop or wall-mounted installation

60W power budget; PoE12-90W: 10GbE data/90W power budget

• PoE Ethernet surge protector: compatible with Power over Ethernet

• BE22000 (4x4:4 in 2.4/5/6GHz) tri-radio access point provides

Smart antenna is the proven technology that can mitigat

Support NebulaFlex Pro to provide triple mode functionality

access point provides lightning-fast speeds up to 12.3Gbps

• Smart antenna is the proven technology that can mitigate

Obtain multi-gigabit performance with 2 x 2.5GbE ports

• Support NebulaFlex Pro to provide triple mode functionality

• BE11000 (2x2:2 in 2.4/5/6GHz) tri-radio access point provides

• The 2 x 2.5GbE ports enable seamless integration with the existing

• The 1x 10GbE uplink port unlocks WiFi 7 speeds and enables true

• Can be powered by PoE bt (PoE++) or USB Type C charger (45W) to

• BE12300 (2x2:2 in 2.4GHz, 4x4:4 in 5 or 6GHz Selectable) dual-radio

• BandFlex design supports either 5GHz or 6GHz by configuration,

fitting seamlessly into existing 5GHz coverage while future proofing

PoE12-30W: 2.5GbE data, 30W power budget; PoE12-60W: 5GbE data,

AXE5400 WiFi 6E

PoE12-30W: Complies with IEEE 802.3at PoE+ standard; PoE12-60W & NebulaFlex

Connector: SEP+ to SEP+

• Low power dissipation, high network stability

• 802.3z SFP Multi-Source Agreement (MSA) compliance

• Feature with 48-port 10GbE/25GbE SFP28 preconfigured for 10GbE,

Offers hot swappable dual power modules and four fan trays

management and intuitive Nebula cloud managed mode with

• Four built-in 10GbE SFP+ uplinks enable congestion-free, smooth

Features dynamic routing to simplify cross subnet communications

Supports NebulaFlex Pro to switch between standalone

Support Multi-Gigabit connections (100M/1G/2.5G/5G/10G)

Supports NebulaFlex Pro to switch between standalone

Unique port combination brings maximum flexibility to network

management and intuitive Nebula cloud managed mode with

Support Multi-Gigabit connections (100M/1G/2.5G/5G/10G)

management and intuitive Nebula cloud managed mode with

• L2 multicast, IGMP snooping, MVR and voice VLAN for convergence

nanagement and intuitive Nebula cloud managed mode with

respectively with high power budget of up to 960W

• Supports NebulaFlex Pro to switch between standalone

• Supports NebulaFlex Pro to switch between standalone

High power budget of 375W (28HP/50HP) and 180W (10HP)

• Smart fan and fanless designs offer near silent operations

• Easy management and setup with web-based interface and

• Support Multi-Gigabit connections (100M/1G/2.5G/5G/10G)

• Supports NebulaFlex to switch between standalone management

XS1930-12HP supports 802.3bt PoE++ (60W) and with high power

• Supports NebulaFlex to switch between standalone management

PoE model supports both 802.3bt PoE++ (60W) and 802.3at PoE+

• Supports NebulaFlex to switch between standalone management

High power budget of 130W (8HPv2) and 375W (24HPv2/48HPv2)

• Up to SIX 10G uplinks including both copper and fiber options

• Multi-Gigabit supports with 2.5G and 10G combinations

• Unique port combinations ensure agile network expansion

Unique and intuitive 5-color LED port speed indication

and intuitive Nebula cloud managed mode

• Smart fan design offers near silent operations

and intuitive Nebula cloud managed mode

• Smart fan design offers near silent operations

and intuitive Nebula cloud managed mode

User-friendly web-based management interface

and intuitive Nebula cloud managed mode

with a high-power budget of up to 700W

Supports NebulaFlex to switch between standalone management

• Handles the latest high-bandwidth applications easily with up to six Single RJ-45 Port

Support both PoE++ and PoE+ providing 60W and 30W for each port Indoor PoE Extender

data delivery for high-bandwidth applications

for venues that operates complex networks

and 8-port 100GbE QSFP28 uplinks

Tailor-made Networked AV mode

Physical stacking of up to 4 units

Redundant power supply module

Physical stacking of up to 4 units

• Redundant power supply module

1-YEAR Pro Pack bundled

1-YEAR Pro Pack bundled

I-YEAR Pro Pack bundled

intuitive wizard

budget of 375W

• Four built-in 10GbE SFP+ uplinks

High power budget of 375W

10GbE connectivity

1-YEAR Pro Pack bundled

	<ul> <li>Tri-band coverage (2x2:2 in 2.4/5GHz, 4x4:4 in 6GHz) 802.11axe AP to deliver maximum data rate of 7.8Gbps</li> <li>Zyxel 6E Boost, using the high-gain 4 streams in 6GHz, helps extend range and maximize performance of the new band</li> <li>The smart antenna technology mitigates interference and boosts WiFi performance</li> <li>The advanced RF filter prevents interference between the 5GHz and 6GHz bands while guaranteeing performance in all channels</li> <li>Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)</li> </ul>	▶5G NR Nebula Nebula Outdoo
	<ul> <li>802.11axe AP (2x2:2 in 2.4GHz, 4x4:4 in 5 or 6GHz Selectable) to deliver maximum data rate of 5.4Gbps</li> <li>The BandFlex radio design can support either 5GHz or 6GHz by configuration, to fit into your 5 GHz coverage as well as futureproofing the use of 6GHz</li> <li>Zyxel 6E Boost, using the high-gain 4 streams in 6GHz, helps extend range and maximize performance of the new band</li> <li>Dual-optimized antenna provides the optimum radio patterns for both wall and ceiling mounting to fit into your installation</li> <li>Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)</li> </ul>	Nebula Nebula Nebula Nebula Nebula Indoor
7	<ul> <li>Dual-radio (4x4:4 in 2.4/5GHz) 802.11ax AP provides maximum data rate of 3600Mbps, and is equipped with the 3rd dedicated monitoring radio and BLE</li> <li>OFDMA is arguably the best innovation of WiFi, delivering the highest performance and low latency for all scenarios</li> <li>Smart antenna is the proven technology that can mitigate interference and boost WiFi 6 performance</li> <li>Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)</li> <li>Advanced Cellular Coexistence minimizes interference from 4G/5G cellular networks</li> </ul>	►4G LTE LTE749 4G LTE Outdoo  LTE748 4G LTE Indoor
	<ul> <li>Dual-radio (2x2:2 in 2.4GHz, 4x4:4 in 5GHz) 802.11ax AP provides maximum data rate of 3000Mbps</li> <li>Smart antenna is the proven technology that can mitigate interference and boost WiFi 6 performance</li> <li>Coupled with the capacity of Zyxel XS1930 Series switches, the 2.5GbE uplink delivers uncompromising multi-gigabit speed without the need of re-cabling</li> <li>Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)</li> <li>Advanced Cellular Coexistence minimizes interference from 4G/5G cellular networks</li> </ul>	►4G LTE  Nebula  Nebula  Indoor
	<ul> <li>Dual-radio (2x2:2 in 2.4GHz, 4x4:4 in 5GHz) 802.11ax AP provides maximum data rate of 3000Mbps</li> <li>Coupled the capacity with Zyxel XS1930 Series switches, the 2.5GbE uplink delivers uncompromising multi-gigabit speed without the need of re-cabling</li> <li>Dual-optimized antenna provides wall-/ceiling-mounting modes to fit in your deployment</li> <li>Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)</li> <li>Advanced Cellular Coexistence minimizes interferences from 4G/5G cellular networks</li> </ul>	*The max  *The max  *The max  *The max  Active Base U  Active Base U
	<ul> <li>Dual-radio (2x2:2 in 2.4/5GHz) 802.11ax AP provides maximum data rate of 1800Mbps</li> <li>OFDMA is arguably the best innovation of WiFi, delivering the highest performance and low latency for all scenarios</li> <li>Dual-optimized antenna allows pattern optimization adapting to wall- or ceiling-mount installations</li> <li>Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)</li> <li>Advanced Cellular Coexistence minimizes interference from 4G/5G cellular networks</li> </ul>	ZoneD/ Remote 4-band Unit_4- Externe

	range and maximize performance of the new band	
>	<ul> <li>The smart antenna technology mitigates interference and boosts WiFi performance</li> <li>The advanced RF filter prevents interference between the 5GHz and 6GHz bands while guaranteeing performance in all channels</li> <li>Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)</li> </ul>	▶5G NR Out Nebula FWA Nebula 5G N Outdoor Ro
<b>&gt;</b>	<ul> <li>802.11axe AP (2x2:2 in 2.4GHz, 4x4:4 in 5 or 6GHz Selectable) to deliver maximum data rate of 5.4Gbps</li> <li>The BandFlex radio design can support either 5GHz or 6GHz by configuration, to fit into your 5 GHz coverage as well as futureproofing the use of 6GHz</li> <li>Zyxel 6E Boost, using the high-gain 4 streams in 6GHz, helps extend range and maximize performance of the new band</li> <li>Dual-optimized antenna provides the optimum radio patterns for both wall and ceiling mounting to fit into your installation</li> <li>Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)</li> </ul>	►5G NR Indo Nebula FWA Nebula 5G N Indoor Rout  Nebula FWA Nebula 5G N Indoor Rout
	<ul> <li>Dual-radio (4x4:4 in 2.4/5GHz) 802.11ax AP provides maximum data rate of 3600Mbps, and is equipped with the 3rd dedicated monitoring radio and BLE</li> <li>OFDMA is arguably the best innovation of WiFi, delivering the highest performance and low latency for all scenarios</li> <li>Smart antenna is the proven technology that can mitigate interference and boost WiFi 6 performance</li> <li>Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)</li> <li>Advanced Cellular Coexistence minimizes interference from 4G/5G cellular networks</li> </ul>	►4G LTE Out LTE7490-MS 4G LTE-A Pr Outdoor Rot  LTE7480-MS 4G LTE-A Indoor Rout
)	<ul> <li>Dual-radio (2x2:2 in 2.4GHz, 4x4:4 in 5GHz) 802:11ax AP provides maximum data rate of 3000Mbps</li> <li>Smart antenna is the proven technology that can mitigate interference and boost WiFi 6 performance</li> <li>Coupled with the capacity of Zyxel XS1930 Series switches, the 2.5GbE uplink delivers uncompromising multi-gigabit speed without the need of re-cabling</li> <li>Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)</li> <li>Advanced Cellular Coexistence minimizes interference from 4G/5G cellular networks</li> </ul>	▶4G LTE Ind Nebula LTE3 Nebula 4G L Indoor Rout  ▶4G LTE Mo NR2301
)	<ul> <li>Dual-radio (2x2:2 in 2.4GHz, 4x4:4 in 5GHz) 802.11ax AP provides maximum data rate of 3000Mbps</li> <li>Coupled the capacity with Zyxel XS1930 Series switches, the 2.5GbE uplink delivers uncompromising multi-gigabit speed without the need of re-cabling</li> <li>Dual-optimized antenna provides wall-/ceiling-mounting modes to fit in your deployment</li> <li>Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)</li> <li>Advanced Cellular Coexistence minimizes interferences from 4G/5G cellular networks</li> </ul>	*The maximum  *The maximum  *ZoneDAS Tous Base Unit Active DAS Base Unit
)	<ul> <li>Dual-radio (2x2:2 in 2.4/5GHz) 802.11ax AP provides maximum data rate of 1800Mbps</li> <li>OFDMA is arguably the best innovation of WiFi, delivering the highest performance and low latency for all scenarios</li> <li>Dual-optimized antenna allows pattern optimization adapting to wall- or ceiling-mount installations</li> <li>Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)</li> <li>Advanced Cellular Coexistence minimizes interference from 4G/5G cellular networks</li> </ul>	ZoneDAS Tv Remote Unit 4-band/Ren Unit_4-band External An
	<ul> <li>802.11ax dual radio (2x2:2 in 2.4GHz, 4x4:4 in 5GHz) outdoor AP delivers blazing-fast speeds up to 5400Mbps</li> <li>Designed for harsh outdoor environments with up to IP67 industrial-grade weather proofing</li> <li>Obtain multi-gigabit performance with a 2.5GbE PoE port to support the demand for better outdoor WiFi</li> <li>Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)</li> </ul>	Active DAS Remote Unit Remote Unit External An  ZoneDAS TV Remote Unit 8-band/Ren Unit_8-band
	<ul> <li>Dual-radio (2x2:2 in 2.4/5GHz) 802.11ax AP provides maximum data rate of 3000Mbps</li> <li>4 Gigabit Ethernet ports (1x 802.3at uplink port + 3x LAN ports) including one downlink PD port supporting 802.3at PoE power (5W) for wired application</li> <li>The versatile wall-plate AP design that can be mounted on wall plates or directly in anywhere</li> <li>Support NebulaFlex Pro to provide triple mode functionality</li> </ul>	External An Active DAS Remote Unit Remote Unit External An  ZoneDAS TV Expander Active DAS Expander
	(standalone, hardware controller and Nebula)  • Advanced Cellular Coexistence minimizes interference from 4G/5G	

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• The advanced RF filter prevents interference between the 5GHz and
 6GHz bands while guaranteeing performance in all channels
• Advanced Cellular Coexistence minimizes interferences from 4G/5G AX1800 WiFi 6
                                                                       Dual-Radio
                                                                       NebulaFlex
• Support NebulaFlex Pro to provide triple mode functionality
                                                                      Access Point
  (standalone, hardware controller and Nebula)
• BE11000 (2x2:2 in 2.4GHz, 4x4:2 in 5 or 6GHz Selectable) dual-radio
  access point provides lightning-fast speeds up to 11Gbps
• BandFlex design supports either 5GHz or 6GHz by configuration,
  fitting seamlessly into existing 5GHz coverage while

    Dual-optimized antenna provides the optimum rad

  both wall and ceiling mounting to fit into your instal
• The advanced RF filter prevents interference between
  6GHz bands while guaranteeing performance in all

    Support NebulaFlex Pro to provide triple mode fund

  (standalone, hardware controller and Nebula)
                                                                     ▶ZoneDAS One Active DAS System
                                                                      Active DAS
                                                                      Base Unit
```

configuration, e futureproofing	
dio patterns for all ation the SGHz and channels	NWA55AXE AX1800 WiFi 6 Dual-Radio NebulaFlex Outdoor Access
ctionality	Point
z) 802.11axe AP to	
Hz, helps extend	
nce and boosts	▶5G NR Outdoor Rout
een the 5GHz and I channels ctionality	Nebula FWA710 Nebula 5G NR Outdoor Router
lectable) to	►5G NR Indoor Router
z or 6GHz well as	Nebula FWA510 Nebula 5G NR Indoor Router
Hz, helps extend	
lio patterns for Illation ctionality	Nebula FWA505 Nebula 5G NR Indoor Router
maximum rd dedicated	40175 Octdoor Book
ivering the	►4G LTE Outdoor Rou LTE7490-M904
rios mitigate	4G LTE-A Pro Outdoor Router
ctionality	
ence from 4G/5G	LTE7480-M804 4G LTE-A Indoor Router
AP provides	
mitigate	►4G LTE Indoor Route Nebula LTE3301-PLUS
witches, the bit speed without	Nebula 4G LTE-A Indoor Router
ctionality	
ence from 4G/5G	►4G LTE Mobile Hotsp NR2301 5G NR
AP provides	Portable Router
ches, the 2.5GbE ed without the	* The maximum data rate is a
unting modes to	►ZoneDAS Two Fiber
ctionality	ZoneDAS Two Base Unit
ences from 4G/5G	Active DAS Base Unit
maximum data	
ivering the rios	
on adapting to	ZoneDAS Two
ctionality	Remote Unit_ 4-band/Remote
ence from 4G/5G	Unit_4-band for External Antenna
outdoor AP	Active DAS Remote Unit/ Remote Unit for
to IP67 industrial-	External Antenna
oE port to support	ZoneDAS Two Remote Unit_
ctionality	8-band/Remote Unit_8-band for External Antenna
maximum data	Active DAS Remote Unit/
x LAN ports) PoE power (5W)	Remote Unit for External Antenna
inted on wall	ZoneDAS Two Expander
ctionality	Active DAS Expander
ence from 4G/5G	NZONODAS One Active

**▶Wireless LAN Access Points - Flexibility** 

BE12300 WiFi 7

Dual-Radio

NebulaFlex

NWA130BE

BE11000 WiFi 7

Triple-Radio

Access Point

BE6500 WiFi 7

Dual-Radio

Access Point

Dual-Radio

Access Point

AX3000 WiFi 6

Dual-Radio

NebulaFlex

Access Point

AX1800 WiFi 6

Dual-Radio

Access Point

NWA50AX Pro

AX3000 WiFi 6

**NWA90AX Pro** 

Dual-Radio

NebulaFlex

Access Point

►Wireless LAN Access Points - Simplicity

NebulaFlex

NebulaFlex

NebulaFlex

Access Point

• BE12300 (2x2:2 in 2.4GHz, 4x4:4 in 5 or 6GHz Selectable) dual-radio

access point offers blazingly fast WiFi 7 speeds of up to 12.3Gbps

fitting seamlessly into existing 5GHz coverage while future proofing

BandFlex design supports either 5GHz or 6GHz by configuration,

• Can be powered by PoE at (PoE+) or USB Type C charger to offer

• NebulaFlex allows users to switch between standalone or intuitive

• The advanced RF filter prevents interference between the 5GHz and

6GHz bands while guaranteeing performance in all channels

access point offers blazingly fast speeds of up to 6.5Gbps

• NebulaFlex allows users to switch between standalone or intuitive

• BE6500 (2x2:2 in 2.4GHz, 4x4:2 in 5 or 6GHz Selectable) dual-radio

• BandFlex design supports either 5GHz or 6GHz by configuration,

fitting seamlessly into existing 5GHz coverage while future proofing

• The advanced RF filter prevents interference between the 5GHz and

6GHz bands while guaranteeing performance in all channels

• 802.11axe AP (2x2:2 in 2.4GHz, 4x4:4 in 5 or 6GHz Selectable) to

• The BandFlex radio design can support either 5GHz or 6GHz

by configuration, to fit into your 5GHz coverage as well as

range and maximize performance of the new band

• Can be powered by PoE at (PoE+) or USB Type C charger to offer

• NebulaFlex allows users to switch between standalone or intuitive

• Zyxel 6E Boost, using the high-gain 4 streams in 6GHz, helps extend

NebulaFlex allows users to switch between standalone or intuitive

• Advanced Cellular Coexistence minimizes interferences from 4G/5G

• Dual-radio (2x2:2 in 2.4GHz, 4x4:4 in 5GHz) 802.11ax AP provides

• OFDMA is arguably the best innovation of WiFi, delivering the

• The latest WPA3 security protocol provides safer connectivity

• OFDMA is arguably the best innovation of WiFi, delivering the

The latest WPA3 security protocol provides safer connectivity

• Dual-radio (2x2:2 in 2.4GHz, 3x3:2 in 5GHz) 802.11ax AP provides

NebulaFlex allows users to switch between standalone or intuitive

• 160MHz channels support, doubling the throughput compared to

• Captive portal and IEEE 802.1X authentication support provides

• Easy configuration allows you to set up guest and employee network

• Dual-radio (2x2:2 in 2.4/5GHz) 802.11ax AP provides maximum data

NebulaFlex allows users to switch between standalone or intuitive

• Captive portal and IEEE 802.1X authentication support provides

• Smart Mesh automatically forms dynamic wireless links to bridge

• External, detachable antenna design allows users to attach other

• Easy configuration setup with Zyxel's intuitive Nebula Cloud to get

• 6 built-in high-gain directional antennas of up to 9dBi per element

• Dual-radio (2x2:2 in 2.4/5GHz) 802.11ax outdoor AP provides

networks for inter-building settings and mitigates complex,

Designed for harsh outdoor environment with up to IP55

Premium 5G FWA broadband, downlink speed up to 5Gbps\*

2.5GbE interface compliant with standard 802.3af/at PoE

Excellent antenna and thermal design for desktop/wall/ceiling mount

maximum data rate of 3000Mbps, and the 2.5G uplink port enables

highest performance and low latency for all scenarios

NebulaFlex allows users to switch between standalone or intuitive

• Advanced Cellular Coexistence minimizes interferences from 4G/5G

• Dual-radio (2x2:2 in 2.4/5GHz) 802.11ax AP provides maximum data

• NebulaFlex allows users to switch between standalone or intuitive

• Advanced Cellular Coexistence minimizes interferences from 4G/5G Donor Unit (IP65)

highest performance and low latency for all scenarios

• Advanced Cellular Coexistence minimizes interferences from 4G/5G Line Extender

• BE11000 (2x2:2 in 2.4/5/6GHz) tri-radio access point provides

• Obtain multi-gigabit performance with 2 x 2.5GbE ports

Obtain multi-gigabit performance with 2 x 2.5GbE ports

Nebula cloud managed modes as needed

multi-aia connectivity for small biz networks

Nebula cloud managed modes as needed

80MHz channels for faster network speeds

Nebula cloud managed modes as needed

enterprise-level security (NWA90AX only)

inconvenient cabling WiFi deployments

the network up and running in no time

• Nebula cloud management or standalone

antennas to better suit different demands

maximum data rate of 1800Mbps

weatherproof rating

IP68 ingress protection

• The WPA3 Personal provides safer encryption

enterprise level security (NWA90AX Pro only)

deliver maximum data rate of 5.4Gbps

futureproofing the use of 6GHz

maximum data rate of 3000Mbps

cellular networks

cellular networks

in no time

rate of 1800Mbps

lightning-fast speeds up to 11Gbps

flexible powering options

flexible powering options

cellular networks

ers	Nebula cloud management or standalone GR (Sub 6GHz)/downlink 5Gbps*  Nebula cloud management or standalone GR (Sub 6GHz)/downlink 5Gbps*	
0	<ul> <li>High-speed AX3600 WiFi 6 experience up to 3.6Gbps*</li> <li>2.4/5GHz dual concurrent WiFi sharing with up to 64 devices</li> <li>Dual WAN failover capability</li> </ul>	USG FLEX 100H(HP) USG FLEX H Series
	<ul> <li>Nebula cloud management or standalone</li> <li>5G NR (Sub 6GHz)/downlink 4.7Gbps*</li> <li>High-speed AX1800 WiFi 6 experience up to 1.77Gbps*</li> <li>2.4/5GHz dual concurrent WiFi sharing with up to 64 devices</li> <li>Dual WAN failover capability</li> </ul>	for Up to 25 Users
uters	LTE-A Cat. 18/downlink 1.2Gbps*	
(xxxII)	<ul> <li>ETE-A Cat. To/downlink 1.28Bps</li> <li>IP68 ingress protection</li> <li>4 built-in high-gain directional antennas of up to 8dBi per element</li> <li>Free app (Zyxel Air) for finding the best installation signal spot</li> <li>Remote management via HTTP/web GUI</li> </ul>	USG FLEX 200H(HP) USG FLEX H Series for Up to 50 Users
(xxx(t)	<ul> <li>LTE Cat. 12/downlink 600Mbps*</li> <li>IP68 ingress protection</li> <li>4 built-in high-gain directional antennas of up to 8dBi</li> <li>Free app (Zyxel Air) for finding the best installation signal spot</li> <li>Remote management via TR-069, HTTP/web GUI</li> </ul>	
ers	<ul> <li>Nebula cloud management</li> <li>LTE-A Cat. 6/downlink 300Mbps*</li> <li>Share AC1200 WiFi with 32 wireless devices</li> <li>4 x GbE LAN ports (1 x WAN/3 x LAN)</li> <li>Dual WAN failover capability</li> </ul>	USG FLEX 500H USG FLEX H Series for Up to 150 Users
pots	<ul> <li>5G NR (Sub 6GHz)/downlink 3.4Gbps*</li> <li>Share AX1800 WiFi 6 with 32 wireless devices</li> <li>4500mAh Li-ion battery</li> <li>Real-time management with intuitive 2.4" LCD display</li> <li>One USB 3.1 type C port</li> </ul>	
a theoretical vo	alue. The actual data rate depends on the operator and network environment	USG FLEX 700H
	alue. The actual data rate depends on the operator and network environment  In-Building Cellular Coverage	USG FLEX 700H USG FLEX H Series for Up to 500 Users
	alue. The actual data rate depends on the operator and network environment  In-Building Cellular Coverage  AS System  • Support signal source as BTS or repeater (Vender Independent)  • Up to 4/8 bands  • Support 2G/3G/4G/4G/NB-IoT/5G NR FDD/TDD  • Support FDD Bands: B1/B2/B3/B4/B7/B8/B13/B20/B25/B28/B30/B66  • Support TDD bands: n41/n77/n78	USG FLEX H Series
	alue. The actual data rate depends on the operator and network environment  In-Building Cellular Coverage  AS System  • Support signal source as BTS or repeater (Vender Independent)  • Up to 4/8 bands  • Support 2G/3G/4G/4G/NB-IoT/5G NR FDD/TDD  • Support FDD Bands: B1/B2/B3/B4/B7/B8/B13/B20/B25/B28/B30/B66	USG FLEX H Series for Up to 500 Users  ►USG FLEX Firewalls USG FLEX 50 USG FLEX 50AX
	alue. The actual data rate depends on the operator and network environment  In-Building Cellular Coverage  AS System  • Support signal source as BTS or repeater (Vender Independent)  • Up to 4/8 bands  • Support 2G/3G/4G/4G/NB-IoT/5G NR FDD/TDD  • Support FDD Bands: B1/B2/B3/B4/B7/B8/B13/B20/B25/B28/B30/B66  • Support TDD bands: n41/n77/n78  • Support fiber optical signal distribution module  • Up to 8 Remote Units or 8 Expanders  • Max. up to 128 Remote Units (Base Unit+ Expander)	USG FLEX H Series for Up to 500 Users  • USG FLEX Firewalls USG FLEX 50
	In-Building Cellular Coverage  AS System  Support signal source as BTS or repeater (Vender Independent) Up to 4/8 bands Support 2G/3G/4G/4G/NB-IoT/5G NR FDD/TDD Support FDD Bands: B1/B2/B3/B4/B7/B8/B13/B20/B25/B28/B30/B66 Support TDD bands: n41/n77/n78 Support fiber optical signal distribution module Up to 8 Remote Units or 8 Expanders Max. up to 128 Remote Units (Base Unit+ Expander) Max. coverage space 10,000 ~ 320,000m²  Ultra-slim and fan-less design Up to 4 bands Support both voice and data Powered by local power or hybrid Fiber Remote Unit: max. output power 23dBm. Coverage up to 50x50m² (2G/3G/4G/5G refarming spectrum)/30x30m² (5G n78) in open area Remote Unit for External Antenna: 4 external antenna ports, max.	USG FLEX H Series for Up to 500 Users   USG FLEX Firewalls USG FLEX 50 USG FLEX 50AX USG FLEX Series for Up to 10 Users  USG FLEX 100 USG FLEX 100AX USG FLEX Series
	In-Building Cellular Coverage  AS System  Support signal source as BTS or repeater (Vender Independent) Up to 4/8 bands Support 2G/3G/4G/4G/NB-IoT/5G NR FDD/TDD Support FDD Bands: B1/B2/B3/B4/B7/B8/B13/B20/B25/B28/B30/B66 Support TDD bands: n41/n77/n78 Support fiber optical signal distribution module Up to 8 Remote Units or 8 Expanders Max. up to 128 Remote Units (Base Unit+ Expander) Max. coverage space 10,000 ~ 320,000m²  Ultra-slim and fan-less design Up to 4 bands Support both voice and data Powered by local power or hybrid Fiber Remote Unit: max. output power 23dBm. Coverage up to 50x50m² (2G/3G/4G/5G refarming spectrum)/30x30m² (5G n78) in open area Remote Unit for External Antenna: 4 external antenna ports, max. output power 17dBm per port  Fan-less design Up to 8 bands Support both voice and data Powered by local power or hybrid Fiber Remote Unit: max. output power 23dBm. Coverage up to 50x50m² (2G/3G/4G/5G refarming spectrum)/30x30m² (5G n78) in open area	USG FLEX Firewalls USG FLEX Firewalls USG FLEX 50 USG FLEX 50 USG FLEX Series for Up to 10 Users USG FLEX 100 USG FLEX 100 USG FLEX Series for Up to 20 Users  USG FLEX Series for Up to 50 Users  USG FLEX Series FOR UP TO 50 Users  USG FLEX Series FOR UP TO 50 Users

_			<ul> <li>1 USB 3.0 type A, RJ-45, and SFP (for USG FLEX 100HP)</li> <li>4Gbps firewall throughput, 900Mbps VPN throughput, 1Gbps UTM throughput (Anti-Malware &amp; IPS)</li> <li>Defend against sophisticated threats with comprehensive, Al-drive sandboxing, malware protection, and complete internal-external network defense</li> <li>Great usability with VPN wizard and graphic monitoring &amp; statistic</li> </ul>
	USG FLEX 200H(HP) USG FLEX H Series for Up to 50 Users		<ul> <li>Flexibility for on-premises or Nebula cloud management</li> <li>Physical interfaces with 6 configurable 1GbE ports, 1 x 2.5GbE ports 1 USB 3.0 type A, RJ-45, and SFP (for USG FLEX 200H)</li> <li>Physical interfaces with 6 configurable 1GbE ports, 1 x 2.5GbE and 2.5GbE/PoE+ ports, 1 USB 3.0 type A, RJ-45, and SFP (for USG FLEX 200HP)</li> <li>6.5Gbps firewall throughput, 1.2Gbps VPN throughput, 1.8Gbps UTN throughput (Anti-Malware &amp; IPS)</li> <li>Defend against sophisticated threats with comprehensive, Al-drive sandboxing, malware protection, and complete internal-external network defense</li> <li>Great usability with VPN wizard and graphic monitoring &amp; statistic</li> </ul>
_	USG FLEX 500H USG FLEX H Series for Up to 150 Users	1.1111111111	<ul> <li>Flexibility for on-premises or Nebula cloud management</li> <li>Physical interfaces with 8 configurable 1GbE ports, 2 x 2.5GbE and 2.5GbE/PoE+ ports, 1 USB 3.0 type A, RJ-45, and SFP</li> <li>10Gbps firewall throughput, 2Gbps VPN throughput, 3Gbps UTM throughput (Anti-Malware &amp; IPS)</li> <li>Defend against sophisticated threats with comprehensive, Al-drive sandboxing, malware protection, and complete internal-external network defense</li> <li>Great usability with VPN wizard and graphic monitoring &amp; statistic</li> </ul>
е	USG FLEX 700H USG FLEX H Series for Up to 500 Users		<ul> <li>Flexibility for on-premises or Nebula cloud management</li> <li>Physical interfaces with 2 Multi-GbE (up to 10G), 8 1GbE, and 2 x 2.5Gl configurable ports, 1 USB 3.0 type A, RJ-45, 2 PoE+ PSE, and 2 SFP+</li> <li>15Gbps firewall throughput, 15Gbps firewall throughput, 3Gbps VPI throughput, 4Gbps UTM throughput (Anti-Malware &amp; IPS)</li> <li>Defend against sophisticated threats with comprehensive, Al-drive sandboxing, malware protection, and complete internal-external network defense</li> <li>Great usability with VPN wizard and graphic monitoring &amp; statistic</li> </ul>
	USG FLEX Firewal USG FLEX 50 USG FLEX 50AX USG FLEX Series for Up to 10 Users USG FLEX 100 USG FLEX 100AX USG FLEX Series for Up to 20 Users	lls	<ul> <li>Flexibility to adapt to on-premises or Nebula cloud management</li> <li>Analytics report and insights on cloud and device with user-friend interface</li> <li>350Mbps firewall throughput (for USG FLEX 50/50AX)</li> <li>350Mbps firewall throughput, 360Mbps UTM throughput (Anti-Malware &amp; IPS)(for USG FLEX 100/100AX)</li> <li>A hardware bundle with a 1-year Gold Security Pack license, featuring sandboxing, reputation filtering, anti-malware, web filtering IPS, and e-mail security*</li> <li>Robust hybrid VPN (IPSec/IKEv2/L2TP over IPSec/SSL)</li> <li>*USG FLEX 50/50AX only supports Content Filter Pack</li> </ul>
	USG FLEX 200		Flexibility to adapt to on-premises or Nebula cloud management     Unified sequestry solution connectivity functions for small to mid significant.

▶ZoneDAS One Active DAS System

Active DAS Remote

External Antenna

ZoneDAS One

Active DAS

Expander

DAS Line

Extender

CAT5e Active

CAT5e Active

DAS Base Unit

CAT5e Active

DAS Base Unit

emote Unit/

Remote Unit for

CAT5e Active

DAS Remote Unit/

Remote Unit for

External Antenna

CAT5e Active

DAS Extender

Quad-Band

SvmmRepeater<sup>PRC</sup>

SymmRepeater<sup>ENTERPRISE</sup>

Donor Unit (IP65)

▶Security Router

**USG LITE 60AX** 

AX6000 WiFi 6

Security Router

AXE5400 WiFi 6E

**USG FLEX H Series** 

for Up to 15 Users

Security Router

**SCR 50AXE** 

Mobile Broadband / FWA DUSG FLEX H Series Firewalls

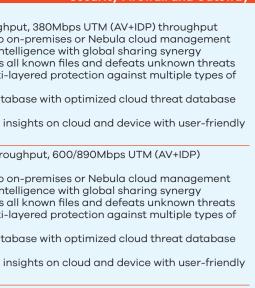
Service Unit

External Antenn

Unit/Remote Unit for

	Cloud Networking
<ul> <li>Flexibility for on-premises or Nebula cloud management</li> <li>Physical interfaces with 8 configurable 1GbE ports, 1 USB 3.0 type A, RJ-45, and SFP (for USG FLEX 100H)</li> <li>Physical interfaces with 7 configurable 1GbE ports, 1GbE/PoE+ port, 1 USB 3.0 type A, RJ-45, and SFP (for USG FLEX 100HP)</li> <li>4Gbps firewall throughput, 900Mbps VPN throughput, 1Gbps UTM throughput (Anti-Malware &amp; IPS)</li> <li>Defend against sophisticated threats with comprehensive, AI-driven sandboxing, malware protection, and complete internal-external network defense</li> <li>Great usability with VPN wizard and graphic monitoring &amp; statistics</li> </ul>	CNC Cloud Network Center
<ul> <li>Flexibility for on-premises or Nebula cloud management</li> <li>Physical interfaces with 6 configurable 1GbE ports, 1 x 2.5GbE ports, 1 USB 3.0 type A, RJ-45, and SFP (for USG FLEX 200H)</li> <li>Physical interfaces with 6 configurable 1GbE ports, 1 x 2.5GbE and 2.5GbE/PoE+ ports, 1 USB 3.0 type A, RJ-45, and SFP (for USG FLEX</li> </ul>	ZON Utility Zyxel One Network Utility
<ul> <li>200HP)</li> <li>6.5Gbps firewall throughput, 1.2Gbps VPN throughput, 1.8Gbps UTM throughput (Anti-Malware &amp; IPS)</li> <li>Defend against sophisticated threats with comprehensive, Al-driven sandboxing, malware protection, and complete internal-external network defense</li> <li>Great usability with VPN wizard and graphic monitoring &amp; statistics</li> </ul>	►Endpoint and Co Secure WiFi Network Access Service
<ul> <li>Flexibility for on-premises or Nebula cloud management</li> <li>Physical interfaces with 8 configurable 1GbE ports, 2 x 2.5GbE and 2.5GbE/PoE+ ports, 1 USB 3.0 type A, RJ-45, and SFP</li> <li>10Gbps firewall throughput, 2Gbps VPN throughput, 3Gbps UTM throughput (Anti-Malware &amp; IPS)</li> <li>Defend against sophisticated threats with comprehensive, Al-driven sandboxing, malware protection, and complete internal-external</li> </ul>	Cloud Security Service  SecuExtender Zero Trust
network defense  • Great usability with VPN wizard and graphic monitoring & statistics  • Flexibility for on-premises or Nebula cloud management	VPN Client Network Access Service
<ul> <li>Physical interfaces with 2 Multi-GbE (up to 10G), 8 1GbE, and 2 x 2.5GbE configurable ports, 1 USB 3.0 type A, RJ-45, 2 PoE+ PSE, and 2 SFP+</li> <li>15Gbps firewall throughput, 15Gbps firewall throughput, 3Gbps VPN throughput, 4Gbps UTM throughput (Anti-Malware &amp; IPS)</li> <li>Defend against sophisticated threats with comprehensive, Al-driven sandboxing, malware protection, and complete internal-external</li> </ul>	Hospitality Pack Vertical Solution Service
network defense  • Great usability with VPN wizard and graphic monitoring & statistics	Connect & Protect (CNP/CNP+) WiFi Security Service
<ul> <li>Flexibility to adapt to on-premises or Nebula cloud management</li> <li>Analytics report and insights on cloud and device with user-friendly interface</li> <li>350Mbps firewall throughput (for USG FLEX 50/50AX)</li> <li>350Mbps firewall throughput, 360Mbps UTM throughput (Anti-Malware &amp; IPS)(for USG FLEX 100/100AX)</li> <li>A hardware bundle with a 1-year Gold Security Pack license, featuring sandboxing, reputation filtering, anti-malware, web filtering, IPS, and e-mail security*</li> <li>Robust hybrid VPN (IPSec/IKEv2/L2TP over IPSec/SSL)</li> <li>*USG FLEX 50/50AX only supports Content Filter Pack</li> </ul>	EX3301-T0 Dual-Band Wireless AX1800 Gigabit Ethernet I.
555. 22. 50/50/M only supports content into i dok	

	<b>'</b>
NCC Professional Pack Cloud Networking Management Service	<ul> <li>NCC subscription pack that includes all the features from Nebula Plus Pack as well as additional advanced functionality and management features to enable maximum manageability of NCC for devices, sites, and organizations</li> </ul>
NCC MSP Pack Cloud Networking Management Service	NCC subscription pack that includes cross-organization management features to facilitate the configurations, monitoring, and management of multiple networks for MSP users
CNC Cloud Network Center	<ul> <li>Anywhere, anytime accessibility to manage network remotely through public clouds</li> <li>Quick overview of network status across multiple sites</li> <li>Single pane of glass management for networking devices from switches, access points to gateways</li> <li>No local IT support required, any on-site person can replace failed devices with new ones easily</li> </ul>
ZON Utility Zyxel One Network Utility	<ul> <li>Unified discovery and setup tool for Zyxel switches, wireless APs and gateways</li> <li>Centralized IP configuration, device reboot and firmware upgrade interface reduces deployment time and effort</li> <li>Eliminates the need to work with multiple discovery utilities or complicated network management systems</li> </ul>
Endpoint and Connectivity Secure WiFi Network Access Service	<ul> <li>Secure tunnel and managed AP service</li> <li>L2 access between home and office network</li> <li>Enforcing 2FA with Google Authenticator</li> <li>WPA2 Enterprise (802.1x) supported</li> </ul>
Astra Cloud Security Service	<ul> <li>Cloud-based service and email protection for Office 365, G Suite and on-premise e-mail</li> <li>Stop unwanted spam, phishing and malware with real-time threat intelligence</li> <li>No change to your existing infrastructure, zero maintenance</li> <li>Reduce management overhead and stop wasting IT admin resource</li> <li>Support iOS, Android apps, Mac and Windows operating systems</li> </ul>
SecuExtender Zero Trust VPN Client Network Access Service	<ul> <li>Secure and reliable remote access, preserving business operations and data integrity</li> <li>Supports both IPSec/SSL VPN and secure authentication methods</li> <li>Simple to deploy with remote VPN wizard (IKEv2 preferred)</li> <li>Runs on both Windows and macOS operating systems</li> </ul>
Hospitality Pack Vertical Solution Service	<ul> <li>High speed internet access</li> <li>Tier of service</li> <li>Log record for regulatory compliance</li> <li>Various Network access control</li> </ul>
Connect & Protect (CNP/CNP+) WiFi Security Service	<ul> <li>Licensing security service for cloud-based access points that aims to protect small business WiFi networks</li> <li>Threat protection incorporating IP reputation and DNS filtering blocks undesirable website contents and prevents data</li> <li>Application visibility with throttling brings visibility to the applications used in the networks to protect core applications and</li> </ul>



▶ATP Firewalls Ultra-slim and fan-less design • 1Gbps firewall throughput, 380Mbps UTM (AV+IDP) throughput Up to 4 bands ATP Series for Support both voice and data Up to 20 Users Powered by PoE

• Flexibility to adapt to on-premises or Nebula cloud management Self-evolving cloud intelligence with global sharing synergy

• Sandboxing contains all known files and defeats unknown threats High assurance multi-layered protection against multiple types of • Machine learning database with optimized cloud threat database • Analytics report and insights on cloud and device with user-friendly

• 2/2.6Gbps firewall throughput, 600/890Mbps UTM (AV+IDP)

xpand coverage to maximum of 160,000 square meters while ATP Series for throughput working with ZoneDAS One Base Unit Up to 50 Users • Flexibility to adapt to on-premises or Nebula cloud management • Extend the distance between ZoneDAS One Base Unit/ZoneDAS Self-evolving cloud intelligence with global sharing synergy Sandboxing contains all known files and defeats unknown threats Extender and remote unit to 200 meters ATP Series for • High assurance multi-layered protection against multiple types of • With it ZoneDAS system can support remote unit up to 400 meters Up to 150 Users ▶ZoneDAS CAT5e Active DAS System • Support signal source as BTS or repeater (Vendor Independent)

Up to 500 Users

**UTM Security Pack** 

**Entry Defense Pack** 

Security License

Security License

Security License

Security Analytics

**Nebula Control Center** 

ManagementService 🥒

Cloud Networking

(License-free)

Content Filter Pack

Security License

• Remote Unit: max. output power 23dBm. Coverage up to 50x50m<sup>2</sup>

• Remote Unit for External Antenna: 4 external antenna ports, max.

Expand more system capacity for more remote unit support

• ZoneDAS Base Unit: Max. up to 64 RUs (Base Unit + Extender)/

SlimDAS Base Unit: Max. up to 32 RUs (Base Unit + Extender)

• ZoneDAS Base Unit: Max. coverage space 10,000 ~ 80,000m<sup>2</sup>/

SlimDAS Base Unit: Max. coverage space 5,000 ~ 40,000m<sup>2</sup>

Expand coverage to maximum of 80,000 square meters while

• Supports 8 remote units on Expander<sup>CC</sup> and Expander<sup>FC</sup>

output power 17dBm per port

Up to 4 bands

Powered by PoE

Support both voice and data

output power 17dBm per port

working with ZoneDAS Base Unit

• Support 2G, 3G, 4G, 5G-NR FDD, NB-IoT

• Input power with auto leveling algorithm

• Support 2G, 3G, 4G, 5G-NR FDD, NB-IoT

Support channelized or full bandwidth

2 Service antenna ports (non-combined)

Input power with auto leveling algorithm

• Support 2G, 3G, 4G, 5G-NR FDD, NB-IoT

Support channelized or full bandwidth

• Input power with auto leveling algorithm

• Subscription-free built-in Ransomware/Malware protection

Access security status and analytics through an informative

sandboxing, malware protection, and complete internal-external

• Great usability with VPN wizard and graphic monitoring & statistics

• Blazingly fast WiFi 6 for speeds up to 6000Mbps

• Simplified setup and manage with Nebula app

• Dual 2.5GbE ports for speeds beyond gigabit

Constructed with 95% recycled plastics

• Built-in Ransomware/Malware protection

Tri-band WiFi 6E with up to 5400Mbps

Easy onboarding with Nebula app

dashboard

network defense

4 Service antenna ports (combined)

End-to-end path length up to 500 meters

Max. system gain: 100dB (Tunable)

End-to-end path length up to 500 meters

Support channelized or full bandwidth

Support 8 remote units

Support 4 bands (fixed)

4 Service antenna ports

Oscillation avoidance

Downlink power up to 10dBm

• Max. coverage space 900m<sup>2</sup>

Support 2 bands (selectable)

Downlink power up to 23dBm

Auto uplink mute when inactive

Max. coverage space 2,500m²

Support 2 bands (selectable)

Downlink power up to 17dBm

Auto uplink mute when inactive

Max. coverage space > 3,600m²

Max. system gain: 100dB (Tunable)

Oscillation avoidance

Oscillation avoidance

Auto uplink mute when inactive

Max. system gain: 75dB (Tunable)

(2G/3G/4G/5G refarming spectrum)/30x30m<sup>2</sup> (5G n78) in open area

• Analytics report and insights on cloud and device with user-friendly Support 2G/3G/4G LTE Support FDD bands: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B20/B28 • 6/8Gbps firewall throughput, 1.5/1.9Gbps UTM (AV+IDP) throughput • Support TDD bands: B38/B39/B40/B41 (BTS mode only, BTS RF input ATP Series for • Flexibility to adapt to on-premises or Nebula cloud management power range: 0 ~ 250mW) Up to 350 Users • ZoneDAS Base Unit: up to 4 bands/SlimDAS Base Unit: up to 2 bands ATP800 • ZoneDAS Base Unit: up to 8 Remote Units (RU) or 8 Extenders/

• Machine learning database with optimized cloud threat database ATP Series for SlimDAS Base Unit: up to 4 Remote Units (RU) or 4 Extenders

 Self-evolving cloud intelligence with global sharing synergy • Sandboxing contains all known files and defeats unknown threats • High assurance multi-layered protection against multiple types of • Machine learning database with optimized cloud threat database • Analytics report and insights on cloud and device with user-friendly

►ZyWALL Unified Security Gateways • Ultra-high performance ZyWALL UTM Firewall for medium to large • Remote Unit: max. output power 23dBm. Coverage up to 50x50m² in Security • Multi-threat protection with firewall, Anti-Malware, Content Filtering, IPS, Application Patrol, and SSL inspection • Robust SSL, IPSec/IKEv2 and L2TP over IPSec VPN connectivity and VPN High Availability (HA) Hotspot Management and built-in WLAN controller for centralized AP management and effortless WLAN scalability

• Remote Unit for External Antenna: 4 external antenna ports, max. **▶**Security Sandboxing Security License Reputation Filter Anti-Malware IPS

 Application Patrol Web Filtering SecuReporter Collaborative Detection & Response Email Security (only on premises mode) Security Profile Sync (only cloud mode) Network Premium Secure WiFi Nebula Pro Pack Anti-Malware Application Patrol Web Filtering SecuReporter Collaborative Detection & Response

Email Security (only on premises mode)

Security Profile Sync (only cloud mode)

Network Premium

 Reputation Filter SecuReporter Priority Support SecuReporte Security Profile Sync (only cloud mode) Network Premium Web Filtering Real-time threat intelligence • Nebula Pro Pack ▶Management and Reporting

• Multidimensional analytics on abnormal behaviors • SecuPilot Al-powered insights for unmatched network visibility and • Cloud-based real-time monitoring and alerts • Effective event correlation and user behavior analytics • Intuitive dashboard and customizable report • Zero-touch provisioning and built-in multi-site network management tools to accelerate deployments for large, distributed • Intuitive management interface delivers continuous feature updates that eliminates training and labor on network maintenance and

• Centralized control and visibility reduce capital expense on both Four GbE ports for more wired devices • NCC subscription pack that includes all the features from free Flexibility for on-premises or Nebula cloud management Cloud Networking Nebula Base Pack as well as the most frequently requested Physical interfaces with 5 configurable 1GbE ports, 1 USB 3.0 Management Service advanced features to enable additional control of network updates type A, RJ-45, and SFP (for USG FLEX 50H) Physical interfaces with 4 configurable 1GbE ports, 1GbE/PoE+ port, 1 USB 3.0 type A, RJ-45, and SFP (for USG FLEX 50HP) • 2Gbps firewall throughput, 500Mbps VPN throughput, 600Mbps UTM throughput (Anti-Malware & IPS) Defend against sophisticated threats with comprehensive, Al-driven

reputation and DNS filtering ts and prevents data brings visibility to the applications used in the networks to protect core applications and manage bandwidth to facilitate smooth business operation De-identifying personal identity and data to preserve the privacy of

network users when they use a WiFi connection • WiFi 6 for superior performance and coverage • Zyxel MPro Mesh® Solutions (compliant with EasyMesh standards) Remote management via TR-069 and TR-181 issue-2 bit Ethernet IAD 📗 NAT, firewall with SPI and DoS for better security VoIP SIP protocol with 3-way conference calls Multiple SSIDs for various service deployment scenario

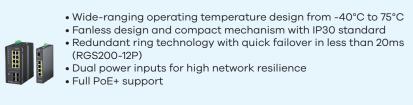
• WiFi 6 for superior performance and coverage • Zyxel MPro Mesh® Solutions (compliant with EasyMesh standards) Remote management via TR-069 and TR-181 issue-2 NAT, firewall with SPI and DoS for better security VoIP SIP protocol with 3-way conference calls Multiple SSIDs for various service deployment scenarios

 Ultra speed for UHD IPTV service The triple-play powerhouse Carrier-class WiFi for seamless mobility • TR-069 remote management with TR-181 issue-2 support Bonded VDSL2 with Vector Comprehensive Routing with IPv6, QoS and Firewall

TR-069 remote management







• Enterprise-class 802.11ac Wave 2 AP (2x2:2 in 2.4/5GHz) supporting AC1200 WiFi 5 combined data rates of up to 1.2Gbps • The versatile wall-plate AP design that can be mounted on wall Wave 2 Dual-Radio plates or directly in anywhere NebulaFlex • Two downlink Gigabit Ethernet ports, including one with PoE to Pro Wall-Plate power for VoIP phones or other devices Access Point Advanced Cellular Coexistence minimizes interferences from 4G/5G cellular networks

• Advanced Cellular Coexistence minimizes interference from 4G/5G

• Support signal source as BTS or repeater (Vendor Independent) • Up to 4 bands Support 2G/3G/4G/NB-IoT/5G NR FDD/TDD 🔛 • Support TDD bands: n41/n77/n78/n79 · Support copper or fiber optical signal distribution module Up to 8 Remote Units (RU) or 8 Expanders

• Max. up to 64 RUs (Base Unit + Expander

• Max. coverage space 10,000 ~ 160,000 m<sup>2</sup>

• Support FDD bands: B1/B2/B3/B4/B7/B8/B13/B20/B25/B28/B30/B66

for Up to 350 Users

• 5.4Gbps firewall throughput, 1.35Gbps UTM throughput (Anti-Malware & IPS) • Built-in with Zyxel Security Cloud with scale information about file and real-time threat data • Analytics report and insights on cloud and device with user-friendly • A hardware bundle with a 1-year Gold Security Pack license, featuring sandboxing, reputation filtering, anti-malware, web filtering, Management

• Unified security solution connectivity functions for small to mid-size

• 1.8/2.3Gbps firewall throughput, 550/800Mbps UTM throughput

• Built-in with Zyxel Security Cloud with scale information about file

• Flexibility to adapt to on-premises or Nebula cloud management

Unified security solution connectivity functions for small to mid-size

• A hardware bundle with a 1-year Gold Security Pack license,

Analytics report and insights on cloud and device with user-friendly

featuring sandboxing, reputation filtering, anti-malware, web filtering,

(Anti-Malware & IPS)

and real-time threat data

IPS, and e-mail security

IPS, and e-mail security

and 35b Single Line Bridge 5G/4G Router

Dual-Band

Wireless AX1800

VMG3625-T50B

VDSL2 Gigabit

VMG4005-B50A

VDSL2 17a Bonding

Dual-Band

Wireless AC/N

VDSL2 Gigabit IAD

• Easy management on SIM PIN, APN, SMS, time and signal info history

• Easy installation and quick setup for optimal signal location • Network diagnosis and speed test View, allow or block WiFi & LAN client devices WiFi quick setup and share



## Helping SMB customers and HOME Users seamlessly connect and unlock their potential



**Home Office** 

## Nebula Secure Cloud Networking Solution



- One Cloud-based Management for ALL
- 'Zero touch' efficient deployment
- Real-time updating and monitoring with historical data

• Superb network performance for the best user experience







For Partners: Simplifying partner business operations on a unified

management platform.

Your go-to online shop for easy license purchase and

For Clients:

management.

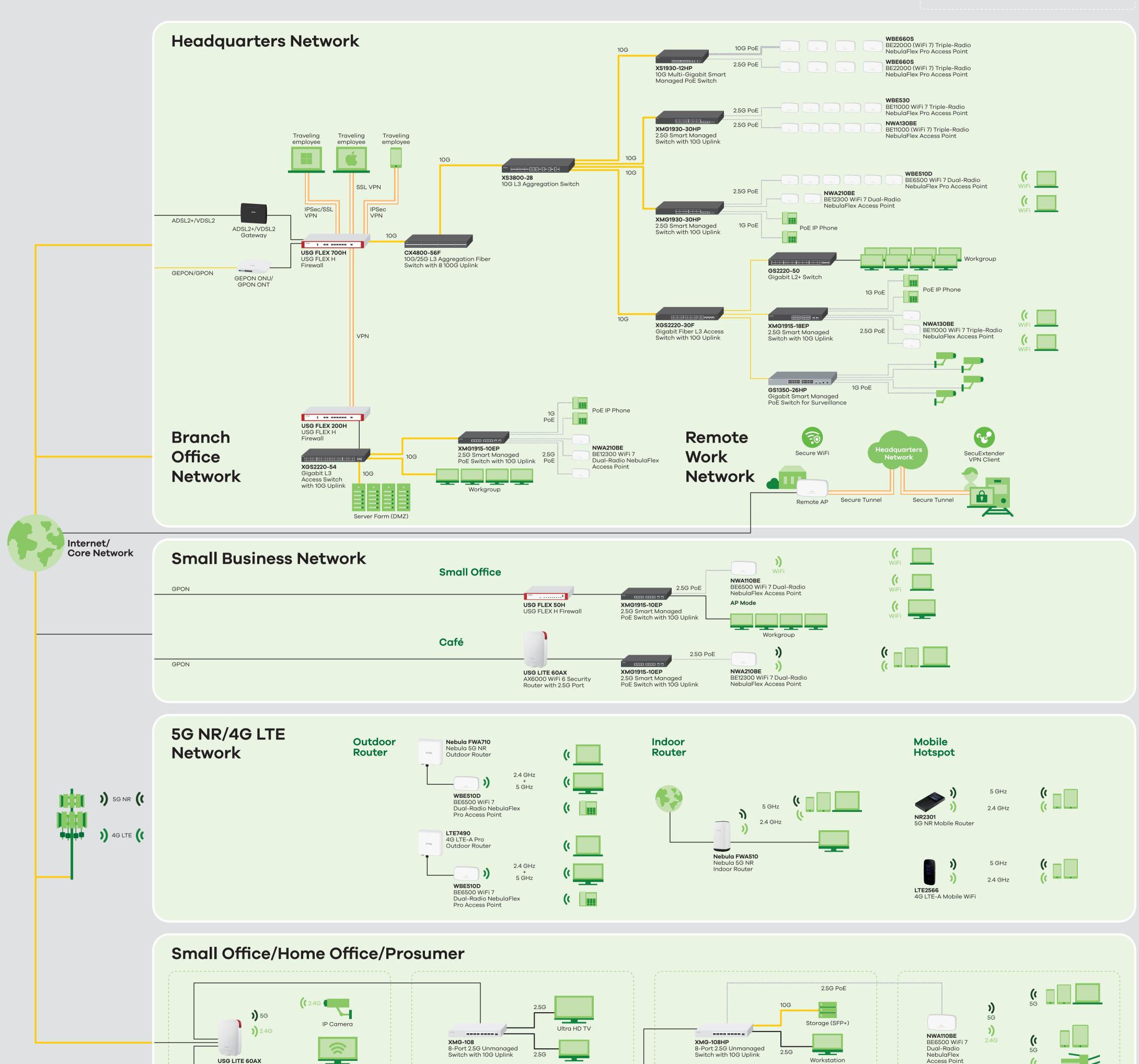
Marketplace

Shop the latest range of networking and security devices from our official store.

**Zyxel Store:** 

Store





2.5G Gaming PC

**Working Room** 

**Recreation Room** 

AX6000 WiFi 6 Security

**Working Room** 

Router with 2.5G Port