



Product Portfolio

- Switch
 - WLAN AP and Controller
 - Mobile Broadband
 - In-Building Cellular Coverage
 - Security Firewall and Gateway
- Licensed Service
 - WiFi System
 - WiFi Extender
 - DSL CPE
 - Service & Application

2024

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L3 Aggregation Switch XS6560-32/32P/52F 24/48-Port GbE L3 Aggregation Switch with 4 SFP+ Uplink	• Four built-in 10G SFP+ uplinks enable congestion-free, smooth data delivery for high-speed applications • Physical stacking of up to 4 units • Features dynamic routing to simplify cross subnet communications for venues that have a large range of networks • Redundant power supply module
XS8000-28 28-Port 10GbE L3 Aggregation Switch	• Support Multi-Gigabit connections (100M/10/2.5G/5G/10G) • Unique port combination brings maximum flexibility to network diversity • Physical stacking of up to 4 units • Supports NebulaFlex Pro to switch between standalone management and intuitive Nebula cloud managed mode with 1-YEAR Pro Pack bundled • Redundant power supply module
L3 Access Switch XS2220-30/30P/40HP XS2220-54/54HP/54FP 24/48-Port GbE L3 Access Switch with 6 10G Uplink (2 Copper/4 SFP+)	• Handles the latest high-bandwidth applications easily with up to six 10G connectivity • Support Multi-Gigabit connections (100M/10/2.5G/5G/10G) • Support both PoE+ and PoE+ providing 60 W and 30 W for each port respectively with high power budget of up to 360 W • Supports NebulaFlex Pro to switch between standalone management and intuitive Nebula cloud managed mode with 1-YEAR Pro Pack bundled
L2+ Switch GS2220-10/10HP GS2220-28/28HP GS2220-50/50HP 10/28/50-Port GbE L2+ Switch	• L2 multicast, IGMP snooping, MVR and voice VLAN for convergence • Supports NebulaFlex Pro to switch between standalone management and intuitive Nebula cloud managed mode with 1-YEAR Pro Pack bundled • High power budget of 375 W (28HP/50HP) and 180 W (10HP) • Smart fan and fanless designs offer near silent operations
Smart Managed Switch XS1930-10/12HP/12F 10/12-Port 10G Multi-Gigabit Lite-L3 Smart Managed Switch	• Support Multi-Gigabit connections (100M/10/2.5G/5G/10G) • Unique and intuitive 5-color LED port speed indication • Supports NebulaFlex to switch between standalone management and intuitive Nebula cloud managed mode • XS1930-12HP supports 802.3bt PoE++ (60 W) and with high power budget of 375 W • Smart fan design offers near silent operations
XS1930-30/30HP 24-Port 2.5G Multi-Gig Lite-L3 Smart Managed Switch with 6 10G Uplink (4 Copper/2 SFP+)	• Up to SIX 10G uplinks including both copper and fiber options • Multi-Gigabit supports with 2.5G and 10G combinations • Supports NebulaFlex to switch between standalone management and intuitive Nebula cloud managed mode • PoE model supports both 802.3bt PoE++ (60 W) and 802.3bt PoE+ with a high-power budget of up to 700 W
XS1930-28/28HP XS1930-52/52HP 24/48-Port GbE Lite-L3 Smart Managed Switch with 4 10G Uplink	• Four built-in 10G SFP+ uplinks • User-friendly web-based management interface and setup wizard • Supports NebulaFlex to switch between standalone management and intuitive Nebula cloud managed mode • High power budget of 375 W • Smart fan design offers near silent operations
GS1920-8HPV2 GS1920-24V2/24HPV2 8/24-Port GbE Smart Managed Switch with 4 10G Uplink	• Unique port combinations ensure agile network expansion • User-friendly web-based management interface • Supports NebulaFlex to switch between standalone management and intuitive Nebula cloud managed mode • PoE model supports IEEE 802.3bt PoE++ (60 W) and 802.3bt PoE+ with a high-power budget of up to 700 W • Smart fan design offers near silent operations
GS1915-8/8EP GS1915-24E/24EP 8/24-Port GbE Smart Managed Switch	• All ports support 2.5G Multi-Gigabit • Additional two 10G fiber uplinks providing extensibility for networks • PoE models support 8-port PoE++ (60 W) with high power budget of up to 130 W (8EP) and 180 W (8EP) to easily connect WiFi 6E APs or IoT devices • Supports NebulaFlex to switch between standalone management and intuitive Nebula cloud managed mode • Rich L2 feature set with L3 static route
GS1900-8/16/24 GS1900-48P/48P 8/16/24/48-Port GbE Smart Managed Switch	• User-friendly web-based management interface and setup wizard • Supports NebulaFlex to switch between standalone management and intuitive Nebula cloud managed mode • PoE model supports IEEE 802.3bt PoE++ (60 W) and 802.3bt PoE+ with a high-power budget of up to 700 W • Compact and near-silent design is ideal for any working environment
GS1900-8/16/24 GS1900-48P/48P 8/16/24/48-Port GbE Smart Managed Switch	• Smart fan and fanless design offer near silent operations in both desktop and rack-mount environment • Easy browser-based switch management with quick and easy set up wizard • Manage advanced features easily through user-friendly web interface • Intelligent IEEE 802.3bt PoE+ allows to power more devices
GS1900-8HP/10HP GS1900-24HPV2/48HPV2 8/24/48-Port GbE Smart Managed PoE Switch	• Unique port combinations ensure agile network expansion • User-friendly web-based management interface • Supports NebulaFlex to switch between standalone management and intuitive Nebula cloud managed mode • PoE model supports IEEE 802.3bt PoE++ (60 W) and 802.3bt PoE+ with a high-power budget of up to 700 W • Smart fan design offers near silent operations
Surveillance Switch GS1930-8HP/24HP GS1930-18HP/26HP 6/18/26-Port GbE Smart Managed Switch for Surveillance	• Large power budget • Up to 250 meters transmission • Intuitive PoE usage LED • Support both copper and fiber uplink ports • Switch for camera recording • Enhanced security and ESD protection • Supports NebulaFlex Pro to switch between standalone management and intuitive Nebula cloud managed mode with 1-YEAR Pro Pack bundled
Web Managed Switch GS1250-12 12-Port Web Managed Multi-Gigabit Switch Includes 3-Port 10G/One SFP+	• Three Multi-Gigabit ports supporting speed up to 10G and one 10G SFP+ port • Check port speed easily with unique 5-color LED • Smart fan design delivers whisper quiet operation • Supports smart features such as QoS, VLAN, LAG and IGMP snooping • User-friendly web-based set-up interface
GS1210-12 8-Port Gigabit Web Managed Switch with 2-Port 2.5G/2-Port SFP+	• Multi-Gigabit speed support and 10G SFP+ Uplink • Intuitive web GUI for management • Smart features for management – basic VLAN, QoS, IGMP, LAG • Fanless, noiseless design • Compact, rugged metal housing with wall mount possibility • User-friendly web-based set-up interface
GS1200-5HP v2 GS1200-8HP v2 5-Port/8-Port Web Managed PoE Gigabit Switch	• 60 Watts of total output on a 4 Gigabit PoE ports • Supports Link aggregation, Quality of Service and Multicast IGMP snooping (V1/V2 and V3 compatible) • Virtual LAN for enhanced network security • Easy web management • Advanced energy savings at work
GS1200-5HP GS1200-8HP 5-Port/8-Port Web Managed Gigabit Switch	• Five/Eight Gigabit ports • Intuitive web management • Support QoS, IGMP snooping V1/V2 and V3 compatible • Support QoS, IGMP snooping V1/V2 and V3 compatible
Unmanaged Switch GS100-10HP/16/24/48E 10/16/24-Port GbE Unmanaged Switch	• Plug and play Gigabit wire-speed connectivity • Efficient Energy saving with green Ethernet features • Fanless design for whisper quiet operation • Easily check status with intuitive port LED
SOHO Desktop Switch GS1005HP/8HP 5/8-Port GbE Unmanaged PoE Switch	• Multi-Gigabit speed support and 10G SFP+ Uplink • Plug and play • Fanless, noiseless design • Compact, rugged metal housing with wall mount possibility • Advanced energy savings at work
Home Desktop Switch XMG-105HP/10/108HP 10/5-Port 2.5GbE Unmanaged Switch	• Plug and play Gigabit wire-speed connectivity • Efficient Energy saving with green Ethernet features • Fanless design for whisper quiet operation • Easily check status with intuitive port LED
MG-105/108 5/8-Port 2.5GbE Unmanaged Switch	• Support 2.5GbE on all ports • Extra 10G fiber connectivity • PoE models support 802.3bt PoE++ (60 W) to power and connect devices with a single wire • Increase home networking speed without extra cabling cost • Access Internet just plug-and-play • Silent and stable operation
GS-105B v3/108B v3 5/8-Port Desktop Gigabit Ethernet Switch	• Compact, sturdy desktop switch with alternative wallmount installation • Connect up to five to eight network devices at Gigabit wire speed • QoS ports for high and medium prioritized applications • Green power saving by automatically detecting link status and cable length
GS-105B v2/108B v2 5/8-Port Desktop Gigabit Ethernet Switch	• Compact and sturdy desktop switch with wall-mount installation • Connect up to five or eight network devices at Gigabit speed • QoS ports for high and medium prioritized applications • Green power saving by automatically detecting link status and cable length
Rugged Switch RS520-12P 12-port GbE Managed PoE Switch	• Wide-ranging operating temperature design from -40°C to 75°C • Fanless design and compact mechanism with IP30 standard • Redundant ring technology with quick failover in less than 20 ms (RS520-12P) • Dual power inputs for high availability resilience • Full PoE+ support

Switch Accessories SFP10G-7SFP10G-SR/ SR-LR/LR-E 10 Gigabit SFP+ Transceiver SFP-1000T/3X-D/ 3X-D/LX-10 LX-10-E/LX1310-40-D /LX-80-D/10G-10-D/ BX1550-E Gigabit SFP Transceiver	• Hot-Pluggable with maximum flexibility • Low power dissipation, fast mode and low stability • Industrial standard compliance • 802.3z SFP Multi-Source Agreement (MSA) compliance • Compact size, high port density
POE12-30W 2.5G PoE+ Injector POE12-60W 5G PoE+ injector	• PoE12-30W: 2.5G data/PoE+ ports; PoE12-60W: 5G data/PoE++ ports • PoE12-30W: 30 W power budget; PoE12-60W: 60 W power budget • PoE12-30W, Complies with IEEE 802.3at PoE+ standard; PoE12-60W: Complies with IEEE 802.3at PoE++ 60 W standard • Easy plug-and-play desktop or wall-mounted installation
SURGEPRO-GE Ethernet Surge Protector	• Robust level of Line-Line, Line-Ground protections • PoE Ethernet surge protector: compatible with Power over Ethernet IEEE 802.3at/4t/bt • Supports network speed 10M/100M/G • Easy installation
Wireless LAN Controller NXC5500 Wireless LAN Controller NXC2500 Wireless LAN Controller	• Auto provisioning and centralized management of up to 1024/64 APs • 2xMESH 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 • Zyxel Wireless Optimizer for easy planning, deployment and maintenance • Support of multiple authentication methods (AD, LDAP or RADIUS)
Wireless LAN Access Points - Ultimate WBE560S 80211ac (WiFi 7) Triple-Radio Unified Pro Access Point	• BE20000 (4x4 in 2.4 GHz, 4x4 in 5 GHz, 4x4 in 6 GHz) tri-radio access point provides lightning fast speeds up to 22 Gbps and lower latency for real-time responsiveness • The 1x 10GbE uplink port unlocks WiFi 7 speeds and enables true 10GbE super broadband • Smart antenna is the proven technology that can mitigate interference and boost WiFi 7 performance • Can be powered by PoE (x PoE++) or USB Type-C charger (45 W) to offer flexible power options • Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)
WAX640S-6E 80211ax (WiFi 6E) Triple-Radio Unified Pro Access Point	• Tri-band coverage (2x2 + 2x2 + 4x4) 80211ax AP to deliver maximum data rate of 7.8 Gbps • Zyxel 6E Boost, using the high-gain 4 streams in 6 GHz, helps extend range and maximize performance of the new band • The smart antenna technology mitigates interference and boosts WiFi performance • The advanced RF filter prevents interference between the 5 GHz and 6 GHz bands while guaranteeing performance in all channels • Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)
WAX620S-6E 80211ax (WiFi 6E) Dual-Radio Unified Pro Outdoor Access Point	• 80211ax AP (4x4 in 6 GHz/2.5 GHz selectable, 2x2 in 2.4 GHz) to deliver maximum data rate of 5.4 Gbps • The BandFlex radio design can support either 5 GHz or 6 GHz by configuration, to fit into your 5 GHz coverage as well as futureproofing the use of 6 GHz • Zyxel 6E Boost, using the high-gain 4 streams in 6 GHz, helps extend range and maximize performance of the new band • 6 built-in optimized antenna provides the optimum radio patterns for both wall and ceiling mounting to fit into your installation • Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)
WAX655E 80211ax (WiFi 6) Dual-Radio Unified Pro Outdoor Access Point	• 80211ax dual radio outdoor AP delivers blazing-fast speeds up to 5400 Mbps • Designed for harsh outdoor environments with up to IP67 industrial-grade weather proofing • Obtain multi-gigabit performance with a 2.5GbE PoE port to support the demand for better outdoor WiFi • Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)
WAX650S 80211ax (WiFi 6) Dual-Radio Unified Pro Access Point	• Dual-radio (dual 4x4 MIMO) 80211ax AP provides maximum data rate of 3600 Mbps, and is equipped with the 3rd dedicated monitoring radio and BLE • OFDMA is arguably the best innovation of WiFi, delivering the highest performance and low latency for all scenarios • Smart antenna is the proven technology that can mitigate interference and boost WiFi 6 performance • Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula) • Advanced Cellular Coexistence minimizes interference from 4G/5G cellular networks
WAX630S 80211ax (WiFi 6) Dual-Radio Unified Pro Access Point	• Dual-radio (dual 4x4 + 2x2 MIMO) 80211ax AP provides maximum data rate of 3000 Mbps • Smart antenna is the proven technology that can mitigate interference and boost WiFi 6 performance • Coupled with the capacity of Zyxel XS1930 Series switches, the 2.5GbE uplink delivers uncompromising multi-gigabit speed without the need of re-cabling • Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula) • Advanced Cellular Coexistence minimizes interference from 4G/5G cellular networks
WAX610S 80211ax (WiFi 6) Dual-Radio Unified Pro Access Point	• Dual-radio (dual 4x4 + 2x2 MIMO) 80211ax AP provides maximum data rate of 3000 Mbps • Coupled the capacity with Zyxel XS1930 Series switches, the 2.5GbE uplink delivers uncompromising multi-gigabit speed without the need of re-cabling • Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula) • Advanced Cellular Coexistence minimizes interference from 4G/5G cellular networks
WAX510D 80211ax (WiFi 6) Dual-Radio Unified Access Point	• Dual-radio (dual 2x2 MIMO) 80211ax AP provides maximum data rate of 1800 Mbps • OFDMA is arguably the best innovation of WiFi, delivering the highest performance and low latency for all scenarios • Dual-optimized antenna allows pattern optimization adapting to wall- or ceiling-mount installations • Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula) • Advanced Cellular Coexistence minimizes interference from 4G/5G cellular networks
WAX500 80211ax Wave 2 Dual-Radio Unified Access Point	• Enterprise-class 2x2 80211ax Wave 2 AP supporting combined data rates of up to 1200 Mbps • Optimized RF performance for ceiling mounting deployment • The latest WPA3 security protocol provides safer connectivity • Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula) • Advanced Cellular Coexistence minimizes interference from 4G/5G cellular networks
WAX500H 80211ax Wave 2 Dual-Radio Unified Access Point	• Enterprise-class 2x2 80211ax Wave 2 AP supporting combined data rates of up to 12 Gbps • The versatile wall-plate AP design that can be mounted on wall plates or directly in anywhere • Two downlink Gigabit Ethernet ports, including one with PoE to power for VoIP phones or other devices • Advanced Cellular Coexistence minimizes interference from 4G/5G cellular networks
Wireless LAN Access Points - Flexibility NWA220AX-6E 80211ax (WiFi 6E) Access Point	• 80211ax AP (4x4 in 6 GHz/2.5 GHz selectable, 2x2 in 2.4 GHz) to deliver maximum data rate of 5.4 Gbps • The BandFlex radio design can support either 5 GHz or 6 GHz by configuration, to fit into your 5 GHz coverage as well as futureproofing the use of 6 GHz • Zyxel 6E Boost, using the high-gain 4 streams in 6 GHz, helps extend range and maximize performance of the new band • NebulaFlex allows users to switch between standalone or intuitive Nebula cloud managed modes as needed • Advanced Cellular Coexistence minimizes interference from 4G/5G cellular networks
NWA210AX 80211ax (WiFi 6) Access Point	• Dual-radio (dual 4x4 + 2x2) 80211ax AP provides maximum data rate of 3000 Mbps • OFDMA is arguably the best innovation of WiFi, delivering the highest performance and low latency for all scenarios • NebulaFlex allows users to switch between standalone or intuitive Nebula cloud managed modes as needed • Advanced Cellular Coexistence minimizes interference from 4G/5G cellular networks
Wireless LAN Access Points - Ultimate NWA560S 80211ac (WiFi 7) Triple-Radio Unified Pro Access Point	• BE20000 (4x4 in 2.4 GHz, 4x4 in 5 GHz, 4x4 in 6 GHz) tri-radio access point provides lightning fast speeds up to 22 Gbps and lower latency for real-time responsiveness • The 1x 10GbE uplink port unlocks WiFi 7 speeds and enables true 10GbE super broadband • Smart antenna is the proven technology that can mitigate interference and boost WiFi 7 performance • Can be powered by PoE (x PoE++) or USB Type-C charger (45 W) to offer flexible power options • Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)
Wireless LAN Access Points - Flexibility NWA220AX-6E 80211ax (WiFi 6E) Access Point	• 80211ax AP (4x4 in 6 GHz/2.5 GHz selectable, 2x2 in 2.4 GHz) to deliver maximum data rate of 5.4 Gbps • The BandFlex radio design can support either 5 GHz or 6 GHz by configuration, to fit into your 5 GHz coverage as well as futureproofing the use of 6 GHz • Zyxel 6E Boost, using the high-gain 4 streams in 6 GHz, helps extend range and maximize performance of the new band • NebulaFlex allows users to switch between standalone or intuitive Nebula cloud managed modes as needed • Advanced Cellular Coexistence minimizes interference from 4G/5G cellular networks
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Wireless LAN Access Points - Ultimate NWA560S 80211ac (WiFi 7) Triple-Radio Unified Pro Access Point	• BE20000 (4x4 in 2.4 GHz, 4x4 in 5 GHz, 4x4 in 6 GHz) tri-radio access point provides lightning fast speeds up to 22 Gbps and lower latency for real-time responsiveness • The 1x 10GbE uplink port unlocks WiFi 7 speeds and enables true 10GbE super broadband • Smart antenna is the proven technology that can mitigate interference and boost WiFi 7 performance • Can be powered by PoE (x PoE++) or USB Type-C charger (45 W) to offer flexible power options • Support NebulaFlex Pro to provide triple mode functionality (standalone, hardware controller and Nebula)
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nebula

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The image shows three computer monitors displaying the SAP Fiori user interface. The monitor on the left shows a 'My Assets' dashboard with a list of assets and their status. The middle monitor shows a 'My Assets' dashboard with a list of assets and their status. The monitor on the right shows a 'SAP Fiori' dashboard with various tiles and a 'New Products' section.

Branch Office Network

5G NR/4G LTE Network

The diagram illustrates a multi-room network topology. It is divided into four rooms, each with its own network equipment and connected devices:

- Living Room:** Features an **SOR 50AXE** AXE5400 Cloud-Managed Security Router with WiFi 6E. It is connected to two **8K TVs** via 2.4G and 5G wireless links, and an **IP Camera** via a 2.4G link.
- Recreation Room:** Features an **XMG-108** 8-Port 2.5G Unmanaged Switch with 10G Uplink. It is connected to two **8K TVs** via 2.5G links and a **2.5G Gaming PC** via a 2.5G link.
- Working Room:** Features an **XGS1250-12** 12-Port Web-Managed Multi-Gigabit Switch, which includes 3-Port 10G and 1-Port 10G SFP+. It is connected to a **Storage (SFP+)** via a 10G link and a **Workstation** via a 2.5G link.
- Home Office:** Features an **NWA50AX** 802.11ax (WiFi 6) Dual-Radio PoE Access Point. It is connected to two mobile devices (a smartphone and a tablet) via 2.4G and 5G wireless links, and a **NWD7605** Dual-Band Wireless AX1800 USB Adapter via a 5G link.

The network is interconnected via a central backbone. The Living Room router connects to the Recreation Room switch via a 2.5G link. The Recreation Room switch connects to the Working Room switch via a 10G link. The Working Room switch connects to the Home Office access point via a 2.5G link.