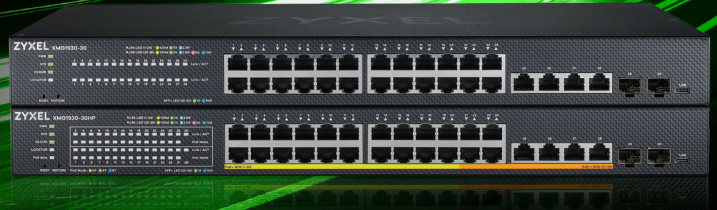# Power Up the Speed

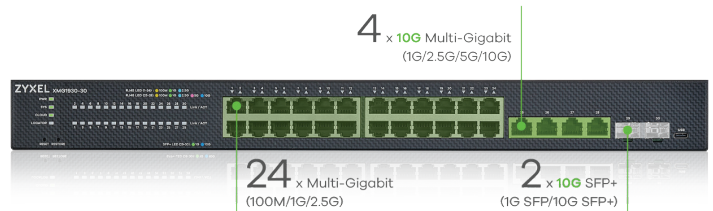## The New Era of Multi-Gigabit and Ultra Power over Ethernet

Upgrade to 10Gig with XS1930 Series

▶ Applications include 10Gig network core & WiFi 7 10Gig Access Point Connectivity

▶ High bandwidth capacity up to 10Gbps per ethernet port with 10Gbps SFP+ Fiber Options

▶ High powered POE+ and POE++ Options to deliver maximum Power over Ethernet

Multi-Gig 2.5 & PoE++ with XMG1930 Series

✓ Applications include 8K Video and WiFi 7 Multi-Gig Access Point Connectivity

⚡ High capacity Multi-Gig ports with PoE+ and PoE++ options

▭ Power through the Gigabit threshold using existing ethernet

4 x **10G** Multi-Gigabit
(1G/2.5G/5G/10G)

24 x Multi-Gigabit
(100M/1G/2.5G)

2 x **10G** SFP+
(1G SFP/10G SFP+)

Up to six 10G uplinks

‣ Copper and fiber options
‣ Network expansion capable
‣ Flexible deployment

8 PoE++ (60W) ports

‣ Adopt WiFi 6/6E and incoming WiFi 7 APs without hassles

🚀 High Speed, High Power
WiFi, Voice, Video, and Data Applications

Multi-Gig and 10Gig
High POE++ Power Budgets

Nebula Managed
Industry leading cloud network management for SMB

ZYXEL
NETWORKS

Feature	Basic Nebula Cloud Managed w/ Muti-Gig Ports — XMG1915-10E	XMG1915-10EP	XMG1915-18EP	NebulaFlex Managed Gigabit w/ 10 Gig and Multi-Gig and L3 Options — XGS1930-28	XGS1930-28HP	XGS1930-52	XGS1930-52HP	XMG1930-30**	XMG1930-30HP**	XS1930-10**	XS1930-12HP**	XS1930-12F**	NebulaFlex Pro / Full Managed L2+/L3 Features (L3 Forwarding, Routing Table, IP Interface) w/ 10G Uplinks — XGS2220-30F	XGS2220-30	XGS2220-30HP	XGS2220-54	XGS2220-54HP	XGS2220-54FP	XS3800-28
Ports and Speeds	8x GbE/2.5G 2x 10G SFP+	8x GbE/2.5G 2x 10G SFP+	16x GbE/2.5G 2x 10G SFP+	24x GbE 4x 10G SFP+	24x GbE 4x 10G SFP+	48x GbE 4x 10G SFP+	48x GbE 4x 10G SFP+	24x 2.5GbE 4x 10GbE 2x 10G SFP+	24x 2.5GbE 4x 10GbE 2x 10G SFP+	8x 10GbE 2x 10G SFP+	10x 10GbE 2x 10G SFP+	2x 10GbE 10x 10G SFP+	24x SFP 2x 10GbE 4x 10G SFP+	24x GbE 2x 10GbE 4x 10G SFP+	24x GbE 2x 10GbE 4x 10G SFP+	48x GbE 2x 10GbE 4x 10G SFP+	48x GbE 2x 10GbE 4x 10G SFP+	48x GbE 2x 10GbE 4x 10G SFP+	4x 10GbE 16x 10G SFP+ 8x 10GbE/10G SFP+
# of PoE Ports	-	8x PoE++	8x PoE++	-	24x PoE+	-	48x PoE+	-	20x PoE+ 8x PoE++	-	8x PoE++	-	-	-	16x PoE+ 10x PoE++	-	40x PoE+ 10x PoE++	40x PoE+ 10x PoE++	-
PoE Power Budget (Watts)	-	130W	180W	-	375W	-	375W	-	700W	-	375W	-	-	-	400W	-	600W	960W	-
Switch Capacity (Gbps)	80	80	120	128	182	176	176	240	240	200	240	240	168	168	168	216	216	216	560
Forwarding Rate (Million Packets/sec)	59.5	59.5	89.2	95.2	95.2	130.9	130.9	178.5	178.5	148.8	178.5	178.5	125	125	125	161	161	161	416
Packet Buffer	1.5M	1.5M	1.5M	1.5M	1.5M	1.5M	1.5M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	2M	4M
MAC Address Table Size	16k	16k	16k	16K	16K	16K	16K	16K	16K	16K	16K	16K	32K	32K	32K	32K	32K	32K	32K
Web GUI / Nebula Cloud Managed*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Full Command Line Interface (CLI)	-	-	-	-	-	-	-	Yes**	Yes**	Yes**	Yes**	Yes**	-	-	-	-	-	-	-
SNMP/Syslog	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes**	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sFlow	-	-	-	-	-	-	-	-	-	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VLANs (Static/Dynamic)	1K/4K	1K/4K	1K/4K	1K/4K	1K/4K	1K/4K	1K/4K	1K/4K	1K/4K	1K/4K	1K/4K	1K/4K	1K/4K	1K/4K	1K/4K	1K/4K	1K/4K	1K/4K	1K/4K
Advanced VLAN (Protocol-Based, Mac-Based, Guest VLAN, Private VLAN)	MAC-based VLAN	MAC-based VLAN	MAC-Based VLAN	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN	Guest VLAN							
QoS / IGMP Snooping / Loop Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes							
Enhanced Security (BPDU & Root Guard, Mac-Auth, Anti-ARP, DHCP Server, IPSG v6) *	-	-	-	-	-	-	-	-	-	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mounting Type	Wall / Desk	Wall / Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack	Rack
Fanless	Yes	Yes	-	Yes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Warranty*	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime	Limited Lifetime
Support	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts	US Based Phone Support No Support Contracts
MTBF (Mean Time Between Failure)	73+ Years	44+ Years	108+ Years	138+ Years	156+ Years	94+ Years	56+ Years	60+ Years	67+ Years	88+ Years	66+ Years	143+ Years	40+ Years	59+ Years	30+ Years	34+ Years	24+ Years	25+ Years	74+ Years

Category descriptions:

- **Basic Nebula Cloud Managed w/ Muti-Gig Ports:** Economy power budgets but managed by Nebula for small office or home office deployments with need for speed
- **NebulaFlex Managed Gigabit w/ 10 Gig and Multi-Gig and L3 Options:** Advanced Web Managed or Cloud Managed Switch with 10Gig and Multi-Gig for Medium to Large offices deploying Gigabit networks for Wifi 7, VoIP, IP Camera, and Data applications with efficient Smart PoE to maximize budget utilization
- **NebulaFlex Pro / Full Managed L2+/L3 Features (L3 Forwarding, Routing Table, IP Interface) w/ 10G Uplinks:** Fully Managed CLI, Standalone and Nebula Cloud with the most advanced features and security features on a switch for more complex infrastructure design and implementations with need for some L3 forwarding, Routing Tables, IP interface, and sFlow

* Some features may require Nebula Pro Pack to enable in the cloud, but can still be used in standalone mode.
* Throughput Numbers based on Max Theoretical numbers in a test environment, real world results may vary based on test, application, packet size used.
* Limited Lifetime Warranty based on 5 years after product is End of Life/End of Support
** L3 License Available for these models which enable L3 and CLI feature sets

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